Vitale, Matthew J - DNR

From: Tim Swiggum <timswiggum@cityofowen.com>
Sent: Friday, April 17, 2020 4:09 PM
To: Vitale, Matthew J - DNR
Cc: Kevin Bartel; Brian Streveler
Subject: Re: Heartland Cooperative VPLE info

Hello,
All barrels were removed and these were the only ones that required WRR to document. There were several that were empty and dry. Those were recycled. I can ask how many of the empty ones were there. I am thinking 3 or 4. I will include Brian Streveler of River Country Cooperative on this e-mail to verify my information.
Thanks and have a great weekend!
Tim

On Fri, Apr 17, 2020 at 3:40 PM Vitale, Matthew J - DNR <Matthew.Vitale@wisconsin.gov> wrote:

> Thank you, Tim. Were these 4 barrels all that needed disposal from the site?
>
> -Matt
>
> **We are committed to service excellence.**
>
> Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.
>
> Matthew Vitale
>
> Pronouns: He/Him/His
>
> Phone: (715) 839-3760
> Matthew.Vitale@wisconsin.gov
>
> **From:** Tim Swiggum <timswiggum@cityofowen.com>
> **Sent:** Wednesday, April 15, 2020 3:02 PM
> **To:** Kevin Bartel <kevin.bartel@cedarcorp.com>; Vitale, Matthew J - DNR <Matthew.Vitale@wisconsin.gov>
> **Subject:** Heartland Cooperative VPLE info
>
> Hello Matt and Kevin,

I am attaching the paperwork involved with the removal of the barrels at the Heartland Cooperative property, former Owen Manufacturing building in Owen. Heartland has since merged with River Country Cooperative Services and is operating under that name.

I know we are not quite done but I hope this is a big step toward completion.

Let me know if you have any questions or concerns. It would be good to know if these are what was expected.

Thanks,

--

Tim Swiggum

Community Development Coordinator

City of Owen, Wisconsin

timswiggum@cityofowen.com

(715)613-1422

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Tim Swiggum
Community Development Coordinator
City of Owen, Wisconsin
timswiggum@cityofowen.com
(715)613-1422

WRR ENVIRONMENTAL SERVICES CO., INC.

WASTE MATERIAL PROFILE

PROFILE #: _____

WRR Account #: _____

Salesperson: _____ *Email address:* _____ Contact number: _____

A. CUSTOMER INFORMATION

☐ *Check if Billing Address is the Same as Generator Address*

Generator: River Country Coop

Facility Address (No P.O. Box): 331 Industrial Ave

City/State/Zip: Owen, WI 54460

Technical Contact: Brian Streveler

Phone: 715-654-6708 FAX: 715-654-6167

EPA ID #: N/A ☒ VSQG ☐ SQG ☐ LQG

Emergency Response #: _____

Billing Company: River Country Coop

Billing Address: 1080 W. River St.

City/State/Zip: Chippewa Falls, WI 54729

Billing Contact: Jennie Semerad

Phone: 715-723-2828 *FAX:* 715-723-4733

Email: jennies@rivercountrycoop.com

Emergency Response CCN #: 800-424-9300

B. SHIPPING INFORMATION

US DOT Shipping Name: _____

Hazardous Class/Division #: _____ UN/NA #: _____ Packing Group: _____ RQ: _____

Size: 55 gal Container Type: ☐ DM ☒ DF ☐ CF ☐ TP ☐ TT ☐ _____ Quantity: 1 Frequency: 1 time

C. GENERAL MATERIAL & REGULATORY INFORMATION

Name of Material: Advantage Plus 6445 Deposit Inhibitor

Process Generating the Material: _____

Yes	No		Yes	No	
☐	☒	Regulated or Licensed Radioactive Waste	☐	☒	Contains UHCs/Constituents of Concern (CoC): **Check in section D**
☐	☒	Regulated Medical/Infectious Waste	☐	☒	Exempt Waste: If yes, list ref. 40 CFR _____
☐	☒	Waste Subject to Benzene NESHAP regulations	☐	☒	Does waste contain, or is derived from, dioxin-listed wastes with F020-F023 or F027 waste codes?
☐	☒	TSCA Regulated PCB Waste: List PCB level in section D	☐	☒	State Hazardous Waste: List Codes _____
☐	☒	Regulated Ozone Depleting Substance	☐	☒	EPA Hazardous Waste: List Codes D001
☐	☒	CERCLA Regulated (Superfund) Waste			Source Code **G** ____ Form Code **W** ____

D. MATERIAL COMPOSITION (Range Total > or = 100%) or ppm

Component Name	%	UHC	CoC
Advantage Plus	100	☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐

☒ **SDS Attached** ☐ **Sample** ☐ **Analytical**

Notes:

E. REACTIVE CHARACTERITSTICS

Yes☐ No☒ React. Sulfides _____ ppm

Yes☐ No☒ React. Cyanides _____ ppm

Yes☒ No☐ Water/Air (Pyrophoric) React.

Yes☒ No☐ Oxidizer

Yes☐ No☒ Shock/Explosive

Yes☐ No☒ Polymerizable

Yes☐ No☒ Other-Comments

Elemental Constituents (ppm):

☒No detectable Elements

Sb _____ As _____ Ba _____

Be _____ Cd _____ Cr _____ Pb _____ Hg _____

Ni _____ Se _____ Ag _____ Tl _____ V _____

Metals Data based on: ☐TCLP ☐Total Analysis ☐Generator Knowledge (no testing)

F. PHYSICAL CHARACTERISTICS

Flash Point: NA °F (if <73°F)

☐73-<100 ☐100-141 ☐142-<200 ☐>200

pH: ☐ N/A ☐ ≤2 ☐>2-4 ☐>4-10 ☐>10-<12.5 ☒ ≥12.5

Phases _____ % Liquid 100 Viscosity cps _____

% Sludge _____ % Solid _____ % Halogens _____

BTU's/lb: _____ Specific Gravity: _____

G. COMMENTS

Product left on site from prior owner

Customer Restrictions: Yes☐ No☐ Analyze for Recovery? Yes☐ No☐ Tolling Stream? Yes☐ No☐

H. GENERATOR'S CERTIFICATION

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator that the information supplied on this form and on any attachments or supplements hereto is complete and accurate, and that all known or suspected hazards of the material(s) described herein have been disclosed. I agree that if the sample test results indicate a discrepancy with any information supplied on this form, that either WRR Environmental Services Co., Inc. or the generator may initiate further testing and evaluation in accordance with the terms and conditions of the contract between WRR Environmental Services Co., Inc. and the generator and that this profile certification may be amended accordingly.

Generator Signature: Brian Streveler Printed Name and Title: Brian Streveler VP - Feed Date: 2/24/2020

SECTION 1. IDENTIFICATION

Product identifier

Trade name : Advantage Plus™ 1465 deposit inhibitor
™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries

Recommended use of the chemical and restrictions on use

Use of the Substance/Mixture : Industrial chemical

Details of the supplier of the safety data sheet	**Emergency telephone number**
Solenis LLC 500 Hercules Road Wilmington, Delaware 19808 United States of America (USA) RegulatoryRequestsNA@solenis.com	1-844-SOLENIS (844-765-3647) **Product Information** Contact your local Solenis representative

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Corrosive to metals : Category 1

Skin irritation : Category 2

Eye irritation : Category 2A

GHS label elements

Hazard pictograms :

Signal word : Warning

Hazard statements : H290 May be corrosive to metals.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**
P234 Keep only in original container.
P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P390 Absorb spillage to prevent material damage.

Storage:

P406 Store in corrosive resistant container with a resistant inner liner.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)
ACRYLIC POLYMER	Trade Secret	Eye Irrit. 2A; H319	>= 1.5 - < 5
SODIUM HYDROXIDE	1310-73-2	Met. Corr. 1; H290 Skin Corr. 1; H314 Eye Dam. 1; H318	>= 1.5 - < 3

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : Move to fresh air.
If breathed in, move person into fresh air.
Keep patient warm and at rest.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : If on skin, rinse well with water.
Wash contaminated clothing before re-use.

In case of eye contact	:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye.
If swallowed	:	Get medical attention immediately. Do NOT induce vomiting. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways) Cough lung edema (fluid buildup in the lung tissue) Difficulty in breathing Causes skin irritation. Causes serious eye irritation.
Notes to physician	:	No hazards which require special first aid measures.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray Foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	Carbon monoxide Carbon dioxide (CO2) Oxides of phosphorus sulfur dioxide corrosive vapors Sodium oxides toxic fumes
Specific extinguishing methods	:	Product is compatible with standard fire-fighting agents.
Further information	:	Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Comply with all applicable federal, state, and local regulations.

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapours/dust.
When diluting, always add the product to water. Never add water to the product.
Container hazardous when empty.
Avoid contact with skin and eyes.
Smoking, eating and drinking should be prohibited in the application area.
For personal protection see section 8.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible	Basis

			concentration	
SODIUM HYDROXIDE	1310-73-2	C	2 mg/m3	ACGIH
		C	2 mg/m3	NIOSH REL
		TWA	2 mg/m3	OSHA Z-1
		C	2 mg/m3	OSHA P0

Engineering measures : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

Skin and body protection : Wear resistant gloves (consult your safety equipment supplier).
Wear as appropriate:
Impervious clothing
Chemical resistant apron
Safety shoes
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Discard gloves that show tears, pinholes, or signs of wear.

Hygiene measures : Wash hands before breaks and at the end of workday.
When using do not eat or drink.
Ensure that eyewash stations and safety showers are close to the workstation location.
When using do not smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : brown

Odour : No data available

Odour Threshold : No data available

pH : 12.6

Melting point/freezing point : -1.1 °C

Boiling point/boiling range : > 100 °C

Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Self-ignition	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	32 hPa (25 °C) Calculated Vapor Pressure
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	1.10 g/cm3 (25 °C)
Solubility(ies)		
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Oxidizing properties	:	No data available
Metal corrosion rate	:	Corrosive to Steel

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Product will not undergo hazardous polymerization.
Conditions to avoid	:	Exposure to sunlight. Exposure to moisture

Incompatible materials	:	Acids alkalis halogenated hydrocarbons Metals nitrites organic nitro compounds Strong oxidizing agents sulphites water
Hazardous decomposition products	:	**Carbon monoxide** **Carbon dioxide (CO2)** **Oxides of phosphorus** **Sulphur oxides** **corrosive vapors** **Sodium oxides** **toxic fumes**

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

Components:

SODIUM HYDROXIDE:

Acute oral toxicity	:	LD Lo (Rabbit): 500 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks: **May cause skin irritation in susceptible persons.**
Causes severe skin burns and eye damage.
The feeling of irritation or pain may be delayed.

Components:

ACRYLIC POLYMER:

Result: Not irritating to skin

SODIUM HYDROXIDE:

Result: Corrosive to skin

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Result: Severely irritating to eyes

Remarks: **May cause irreversible eye damage.**
Causes serious eye irritation.

Components:

ACRYLIC POLYMER:

Result: Irritating to eyes

SODIUM HYDROXIDE:

Result: Corrosive to eyes

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish	:	LC 50 (Oncorhynchus mykiss (rainbow trout)): > 10,000 mg/l Exposure time: 96 h LC 50 (Pimephales promelas (fathead minnow)): 7,551 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	LC 50 (Water flea (Ceriodaphnia dubia)): 3,138.3 mg/l Exposure time: 48 h

Ecotoxicology Assessment

Acute aquatic toxicity	:	Not classified based on available information.
Chronic aquatic toxicity	:	Not classified based on available information.

Components:

SODIUM HYDROXIDE:

Toxicity to fish	:	LC 50 (Western mosquitofish (Gambusia affinis)): 125 mg/l Exposure time: 96 h Method: Static Remarks: Mortality
Toxicity to daphnia and other aquatic invertebrates	:	EC 50 (Water flea (Daphnia magna)): 34.59 - 47.13 mg/l Exposure time: 48 h Remarks: Intoxication

Ecotoxicology Assessment

Acute aquatic toxicity	:	Acute aquatic toxicity Category 3; Harmful to aquatic life.
Chronic aquatic toxicity	:	Not classified based on available information.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International transport regulations

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

U.S. DOT - ROAD

UN	1760	Corrosive liquids, n.o.s. (SODIUM HYDROXIDE)	8	III	

U.S. DOT - RAIL

UN	1760	Corrosive liquids, n.o.s. (SODIUM HYDROXIDE)	8	III	

U.S. DOT - INLAND WATERWAYS

UN	1760	Corrosive liquids, n.o.s. (SODIUM HYDROXIDE)	8	III	

TRANSPORT CANADA - ROAD

UN	1760	CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)	8	III	

TRANSPORT CANADA - RAIL

UN	1760	CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)	8	III

INTERNATIONAL MARITIME DANGEROUS GOODS

UN	1760	CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)	8	III

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

UN	1760	Corrosive liquid, n.o.s. (SODIUM HYDROXIDE)	8	III

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN	1760	Corrosive liquid, n.o.s. (SODIUM HYDROXIDE)	8	III

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

UN	1760	CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)	8	III

***ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Marine pollutant		no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
SODIUM HYDROXIDE	1310-73-2	1000	65573

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity
This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Corrosive to metals
Skin corrosion or irritation

Serious eye damage or eye irritation

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

Proposition 65 warnings are not required for this product based on the results of a risk assessment.

The components of this product are reported in the following inventories:

DSL	:	All components of this product are on the Canadian DSL
AICS	:	On the inventory, or in compliance with the inventory
ENCS	:	Not in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory
TCSI	:	On the inventory, or in compliance with the inventory
TSCA	:	On TSCA Inventory

TSCA list

The following substance(s) is/are subject to a Significant New Use Rule:
MERCURY 7439-97-6

SECTION 16. OTHER INFORMATION

Further information
Revision Date: 02/07/2018

Full text of H-Statements

H290	:	May be corrosive to metals.
H314	:	Causes severe skin burns and eye damage.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.

Full text of other abbreviations

Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Met. Corr.	:	Corrosive to metals
Skin Corr.	:	Skin corrosion

Further information

Other information : The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by the Solenis Environmental Health and Safety Department.

Sources of key data used to compile the Safety Data Sheet
Key literature references and sources of data
SOLENIS Internal data
SOLENIS internal data including own and sponsored test reports
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

US / EN

WRR ENVIRONMENTAL SERVICES CO., INC.
WASTE MATERIAL PROFILE

PROFILE #: _____

WRR Account #: _____
Salesperson: _____ *Email address:* _____ Contact number: _____

A. CUSTOMER INFORMATION ☐ *Check if Billing Address is the Same as Generator Address*

Generator: River Country Coop
Facility Address (No P.O. Box): 331 Industrial Ave
City/State/Zip: Owen, WI 54460
Technical Contact: Brian Streveler
Phone: 715-654-6708 FAX: 715-654-6167
EPA ID #: N/A ☒ VSQG ☐ SQG ☐ LQG Emergency Response #: _____

Billing Company: River Country Coop
Billing Address: 1080 W. River St.
City/State/Zip: Chippewa Falls, WI 54729
Billing Contact: Jennie Semerad
Phone: 715-723-2828 *FAX:* 715-723-4733
Email: jennies@rivercountrycoop.com
Emergency Response CCN #: 800-424-9300

B. SHIPPING INFORMATION
US DOT Shipping Name: _____
Hazardous Class/Division #: _____ UN/NA #: _____ Packing Group: _____ RQ: _____
Size: 55 gal Container Type: ☒ DM ☐ DF ☐ CF ☐ TP ☐ TT ☐ _____ Quantity: 2 Frequency: 1 time

C. GENERAL MATERIAL & REGULATORY INFORMATION
Name of Material: L/F Orange Conversion Product code 60-15944 Paint, 3, UN1263,11
Process Generating the Material: _____

Yes	No		Yes	No	
☐	☒	Regulated or Licensed Radioactive Waste	☐	☒	Contains UHCs/Constituents of Concern (CoC): **Check in section D**
☐	☒	Regulated Medical/Infectious Waste	☐	☒	Exempt Waste: If yes, list ref. 40 CFR _____
☐	☒	Waste Subject to Benzene NESHAP regulations	☐	☒	Does waste contain, or is derived from, dioxin-listed wastes with F020-F023 or F027 waste codes?
☐	☒	TSCA Regulated PCB Waste: List PCB level in section D	☐	☒	State Hazardous Waste: List Codes _____
☐	☒	Regulated Ozone Depleting Substance	☒	☐	EPA Hazardous Waste: List Codes D001
☐	☒	CERCLA Regulated (Superfund) Waste			Source Code **G** _____ Form Code **W** ___

D. MATERIAL COMPOSITION (Range Total > or = 100%) or ppm

Component Name	%	UHC	CoC
Pigmented Conversion Varnish, Lunar Paint	100	☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐

☒ **SDS Attached** ☐ **Sample** ☐ **Analytical**

Notes:

E. REACTIVE CHARACTERITSTICS
Yes☐ No☒ React. Sulfides _____ ppm
Yes☐ No☒ React. Cyanides _____ ppm
Yes☐ No☒ Water/Air (Pyrophoric) React.
Yes☐ No☒ Oxidizer
Yes☐ No☒ Shock/Explosive
Yes☐ No☒ Polymerizable
Yes☐ No☒ Other-Comments

Elemental Constituents (ppm):
☒No detectable Elements
Sb _____ As _____ Ba _____
Be _____ Cd _____ Cr _____ Pb _____ Hg _____
Ni _____ Se _____ Ag _____ Tl _____ V _____
Metals Data based on: ☐TCLP ☐Total Analysis ☐Generator Knowledge (no testing)

F. PHYSICAL CHARACTERISTICS
Flash Point: 63 °F (if <73°F)
☐73-<100 ☐100-141 ☐142-<200 ☐>200
pH: ☐ N/A ☐ ≤2 ☐>2-4 ☐>4-10 ☐>10-<12.5 ☐ ≥12.5
Phases _____ % Liquid 100 Viscosity cps _____
% Sludge _____ % Solid _____ % Halogens _____
BTU's/lb: _____ Specific Gravity: 1.13

G. COMMENTS Product left on site from prior owner

Customer Restrictions: Yes☐ No☐ Analyze for Recovery? Yes☐ No☐ Tolling Stream? Yes☐ No☐

H. GENERATOR'S CERTIFICATION
I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator that the information supplied on this form and on any attachments or supplements hereto is complete and accurate, and that all known or suspected hazards of the material(s) described herein have been disclosed. I agree that if the sample test results indicate a discrepancy with any information supplied on this form, that either WRR Environmental Services Co., Inc. or the generator may initiate further testing and evaluation in accordance with the terms and conditions of the contract between WRR Environmental Services Co., Inc. and the generator and that this profile certification may be amended accordingly.

Generator Signature: Brian Streveler Printed Name and Title: Brian Streveler VP - Feed Date: 2/24/2020

MATERIAL SAFETY DATA SHEET

H66XXW10004-1286
00 01

DATE OF PREPARATION
Mar 22, 2012

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER
H66XXW10004-1286
PRODUCT NAME
SHER-WOOD® Pigmented Conversion Varnish, LUNAR PAINT
MANUFACTURER'S NAME
THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, OH 44115

Telephone Numbers and Websites

Regulatory Information	(216) 566-2902
Medical Emergency	(216) 566-2917
Transportation Emergency*	(800) 424-9300
**for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)*	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
3	64742-89-8	**V. M. & P. Naphtha**		
		ACGIH TLV	300 PPM	12 mm
		OSHA PEL	300 PPM	
		OSHA PEL	400 PPM STEL	
2	100-41-4	**Ethylbenzene**		
		ACGIH TLV	20 PPM	7.1 mm
		OSHA PEL	100 PPM	
		OSHA PEL	125 PPM STEL	
9	1330-20-7	**Xylene**		
		ACGIH TLV	100 PPM	5.9 mm
		ACGIH TLV	150 PPM STEL	
		OSHA PEL	100 PPM	
		OSHA PEL	150 PPM STEL	
1	95-63-6	**1,2,4-Trimethylbenzene**		
		ACGIH TLV	25 PPM	2.03 mm
		OSHA PEL	25 PPM	
8	64-17-5	**Ethanol**		
		ACGIH TLV	1000 PPM	44 mm
		OSHA PEL	1000 PPM	
5	78-83-1	**2-Methyl-1-propanol**		
		ACGIH TLV	50 PPM	8.7 mm
		OSHA PEL	50 PPM	
5	111-76-2	**2-Butoxyethanol**		
		ACGIH TLV	20 PPM	0.88 mm
		OSHA PEL	25 PPM	
< 0.1	50-00-0	**Formaldehyde (max.)**		
				(See SECTION 8 for additional information)
		ACGIH TLV	0.3 PPM CEILING	27.56 mm
		OSHA PEL	0.75 PPM	
		OSHA PEL	2 PPM STEL	
4	110-43-0	**Methyl n-Amyl Ketone**		
		ACGIH TLV	50 PPM	3.855 mm
		OSHA PEL	100 PPM	
3	123-86-4	**n-Butyl Acetate**		
		ACGIH TLV	150 PPM	10 mm
		ACGIH TLV	200 PPM STEL	
		OSHA PEL	150 PPM	
		OSHA PEL	200 PPM STEL	
4	110-19-0	**Isobutyl Acetate**		
		ACGIH TLV	150 PPM	12.5 mm
		OSHA PEL	150 PPM	
1	112926-00-8	**Amorphous Precipitated Silica**		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	6 mg/m3 as Dust	
2	14807-96-6	**Talc**		
		ACGIH TLV	2 mg/m3 as Resp. Dust	
		OSHA PEL	2 mg/m3 as Resp. Dust	
18	13463-67-7	**Titanium Dioxide**		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	10 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	

SECTION 3 — HAZARDS IDENTIFICATION

HMIS Codes

Health	2*
Flammability	3
Reactivity	0

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.
EYE or SKIN contact with the product, vapor or spray mist.
Contains alcohols and acetates which can be absorbed through the skin.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.
SKIN: Prolonged or repeated exposure may cause irritation.
INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.
Prolonged overexposure to hazardous ingredients in Section 2 may cause adverse chronic effects to the following organs or systems:

- the liver

- the urinary system
- the hematopoietic (blood-forming) system
- the reproductive system

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May cause allergic respiratory and/or skin reaction in susceptible persons.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

SECTION 4 — FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.
INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION 5 — FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL	FLAMMABILITY CLASSIFICATION
63 °F TCC	0.9	19.0	RED LABEL -- Flammable, Flash below 100 °F (38 °C)

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat.
Application to hot surfaces requires special precautions.
During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.
Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.
Remove with inert absorbent.

SECTION 7 — HANDLING AND STORAGE

STORAGE CATEGORY

DOL Storage Class IB

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.
During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.
Consult NFPA Code. Use approved Bonding and Grounding procedures.
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Contains a formaldehyde-based resin which, under certain conditions of use, may release Formaldehyde.
Before initial use, consult OSHA's 'Standard for Occupational Exposure to Formaldehyde' (29 CFR 1910.1048).
Use only with adequate ventilation.
Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.
Wash hands after using.
This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

A properly fitted, full face respirator effective for particulates, organic solvents, and formaldehyde or an air supplied respirator must be worn, unless air monitoring demonstrates vapor/mist concentrations are below permissible limits. Follow respirator manufacturers directions for respirator use.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PROTECTIVE EQUIPMENT

Use of barrier cream on exposed skin is recommended.

OTHER PRECAUTIONS

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	9.36 lb/gal	1121 g/l
SPECIFIC GRAVITY	1.13	
BOILING POINT	172 - 343 °F	77 - 172 °C
MELTING POINT	Not Available	
VOLATILE VOLUME	63%	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)

4.43 lb/gal	531 g/l	Less Water and Federally Exempt Solvents
4.43 lb/gal	531 g/l	Emitted VOC

SECTION 10 — STABILITY AND REACTIVITY

STABILITY — Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.

Formaldehyde, listed by IARC, NTP and OSHA, has been shown to cause cancer of the nasal cavity in rats exposed to high levels. Available evidence in humans is inconclusive.

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

TOXICOLOGY DATA

CAS No.	Ingredient Name			
64742-89-8	V. M. & P. Naphtha			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
100-41-4	Ethylbenzene			
		LC50 RAT	4HR	Not Available
		LD50 RAT		3500 mg/kg
1330-20-7	Xylene			
		LC50 RAT	4HR	5000 ppm
		LD50 RAT		4300 mg/kg
95-63-6	1,2,4-Trimethylbenzene			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
64-17-5	Ethanol			
		LC50 RAT	4HR	Not Available
		LD50 RAT		7060 mg/kg
78-83-1	2-Methyl-1-propanol			
		LC50 RAT	4HR	Not Available
		LD50 RAT		2460 mg/kg
111-76-2	2-Butoxyethanol			
		LC50 RAT	4HR	Not Available
		LD50 RAT		470 mg/kg
50-00-0	Formaldehyde (max.)			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
110-43-0	Methyl n-Amyl Ketone			
		LC50 RAT	4HR	Not Available
		LD50 RAT		1670 mg/kg
123-86-4	n-Butyl Acetate			
		LC50 RAT	4HR	2000 ppm
		LD50 RAT		13100 mg/kg
110-19-0	Isobutyl Acetate			
		LC50 RAT	4HR	Not Available
		LD50 RAT		13400 mg/kg
112926-00-8	Amorphous Precipitated Silica			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
14807-96-6	Talc			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
13463-67-7	Titanium Dioxide			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available

SECTION 12 — ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.
Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.
Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 — TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

US Ground (DOT)

5 Liters (1.3 Gallons) and Less may be Classed as CONSUMER COMMODITY, ORM-D
Larger Containers are Regulated as:
UN1263, PAINT, 3, PG II, (ERG#128)

DOT (Dept of Transportation) Hazardous Substances & Reportable Quantities
Xylenes (isomers and mixture) 100 lb RQ
Bulk Containers may be Shipped as (check reportable quantities):
RQ, UN1263, PAINT, 3, PG II, (XYLENES (ISOMERS AND MIXTURE)), (ERG#128)
Canada (TDG)
UN1263, PAINT, CLASS 3, PG II, (ERG#128)
IMO
5 Liters (1.3 Gallons) and Less may be Shipped as Limited Quantity.
UN1263, PAINT, CLASS 3, PG II, (17 C c.c.), EmS F-E, S-E, ADR (D/E)
IATA/ICAO
UN1263, PAINT, 3, PG II

SECTION 15 — REGULATORY INFORMATION

SARA 313 *(40 CFR 372.65C)* SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
100-41-4	Ethylbenzene	2	
1330-20-7	Xylene	9	
95-63-6	1,2,4-Trimethylbenzene	1	
	Glycol Ethers	5	

CALIFORNIA PROPOSITION 65
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
TSCA CERTIFICATION
All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

WRR ENVIRONMENTAL SERVICES CO., INC.

WASTE MATERIAL PROFILE

PROFILE #: _____

WRR Account #: _____

Salesperson: _____ *Email address:* _____ Contact number: _____

A. CUSTOMER INFORMATION

☐ *Check if Billing Address is the Same as Generator Address*

Generator: River Country Coop

Facility Address (No P.O. Box): 331 Industrial Ave

City/State/Zip: Owen, WI 54460

Technical Contact: Brian Streveler

Phone: 715-654-6708 FAX: 715-654-6167

EPA ID #: N/A ☒ VSQG ☐ SQG ☐ LQG

Emergency Response #: _____

Billing Company: River Country Coop

Billing Address: 1080 W. River St.

City/State/Zip: Chippewa Falls, WI 54729

Billing Contact: Jennie Semerad

Phone: 715-723-2828 *FAX:* 715-723-4733

Email: jennies@rivercountrycoop.com

Emergency Response CCN #: 800-424-9300

B. SHIPPING INFORMATION

US DOT Shipping Name: _____

Hazardous Class/Division #: _____ UN/NA #: _____ Packing Group: _____ RQ: _____

Size: 55 gal Container Type: ☐ DM ☒ DF ☐ CF ☐ TP ☐ TT ☐ Quantity: 1 Frequency: 1 time

C. GENERAL MATERIAL & REGULATORY INFORMATION

Name of Material: Propylene Glycol

Process Generating the Material: _____

Yes	No		Yes	No	
☐	☒	Regulated or Licensed Radioactive Waste	☐	☒	Contains UHCs/Constituents of Concern (CoC): **Check in section D**
☐	☒	Regulated Medical/Infectious Waste	☐	☒	Exempt Waste: If yes, list ref. 40 CFR _____
☐	☒	Waste Subject to Benzene NESHAP regulations	☐	☒	Does waste contain, or is derived from, dioxin-listed wastes with F020-F023 or F027 waste codes?
☐	☒	TSCA Regulated PCB Waste: List PCB level in section D	☐	☒	State Hazardous Waste: List Codes _____
☐	☒	Regulated Ozone Depleting Substance	☒	☐	EPA Hazardous Waste: List Codes D001
☐	☒	CERCLA Regulated (Superfund) Waste			Source Code **G** _____ Form Code **W** ___

D. MATERIAL COMPOSITION (Range Total > or = 100%) or ppm

Component Name	%	UHC	CoC
Propylene Glycol	100	☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐

☒ **SDS Attached** ☐ **Sample** ☐ **Analytical**

Notes:

E. REACTIVE CHARACTERITSTICS

Yes☐ No☒ React. Sulfides _____ ppm

Yes☐ No☒ React. Cyanides _____ ppm

Yes☐ No☒ Water/Air (Pyrophoric) React.

Yes☐ No☒ Oxidizer

Yes☐ No☒ Shock/Explosive

Yes☐ No☒ Polymerizable

Yes☐ No☒ Other-Comments

Elemental Constituents (ppm):

☒No detectable Elements

Sb _____ As _____ Ba _____

Be _____ Cd _____ Cr _____ Pb _____ Hg _____

Ni _____ Se _____ Ag _____ Tl _____ V _____

Metals Data based on: ☐TCLP ☐Total Analysis ☐Generator Knowledge (no testing)

F. PHYSICAL CHARACTERISTICS

Flash Point: 210 °F (if <73°F)

☐73-<100 ☐100-141 ☐142-<200 ☐>200

pH: ☐ N/A ☐ ≤2 ☐>2-4 ☐>4-10 ☐>10-<12.5 ☒ ≥12.5

Phases _____ % Liquid 100 Viscosity cps _____

% Sludge _____ % Solid _____ % Halogens _____

BTU's/lb: _____ Specific Gravity: _____

G. COMMENTS

Out dated?

Customer Restrictions: Yes☐ No☐ Analyze for Recovery? Yes☐ No☐ Tolling Stream? Yes☐ No☐

H. GENERATOR'S CERTIFICATION

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator that the information supplied on this form and on any attachments or supplements hereto is complete and accurate, and that all known or suspected hazards of the material(s) described herein have been disclosed. I agree that if the sample test results indicate a discrepancy with any information supplied on this form, that either WRR Environmental Services Co., Inc. or the generator may initiate further testing and evaluation in accordance with the terms and conditions of the contract between WRR Environmental Services Co., Inc. and the generator and that this profile certification may be amended accordingly.

Generator Signature: _____ Printed Name and Title: Brian Streveler VP - Feed Date: 2/24/2020

SAFETY DATA SHEET

Propylene Glycol USP

Section 1. Identification

GHS product identifier	: Propylene Glycol USP
Product code	: 0700025
Chemical name	: propane-1,2-diol
Other means of identification	: 1,2-Propanediol; 1,2-Propylene glycol; PROPYLENE GLYCOL; Propane-1,2 diol; α-propylene glycol; 1,2-dihydroxypropane; METHYLETHYLENE GLYCOL; ALPHA-PROPYLENE GLYCOL; ISOPROPYLENE GLYCOL; 2-Hydroxypropanol; Methylethyl glycol
Product type	: Liquid.
Supplier's details	: Barton Solvents, Inc. 1920 NE Broadway P.O. Box 221 Des Moines, IA 50306-0221 (515) 265-7998
Emergency telephone number	: CHEMTREC (800) 424-9300 (AVAILABLE 24 HOURS A DAY)

Section 2. Hazards identification

OSHA/HCS status	: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	: Not classified.

GHS label elements

Signal word	: No signal word.
Hazard statements	: No known significant effects or critical hazards.

Precautionary statements

General	: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	: Not applicable.
Response	: Not applicable.
Storage	: Not applicable.
Disposal	: Not applicable.
Hazards not otherwise classified	: None known.

Section 3. Composition/information on ingredients

Substance/mixture	: Substance
Chemical name	: propane-1,2-diol
Other means of identification	: 1,2-Propanediol; 1,2-Propylene glycol; PROPYLENE GLYCOL; Propane-1,2 diol; α-propylene glycol; 1,2-dihydroxypropane; METHYLETHYLENE GLYCOL; ALPHA-PROPYLENE GLYCOL; ISOPROPYLENE GLYCOL; 2-Hydroxypropanol; Methylethyl glycol

CAS number/other identifiers

CAS number	: 57-55-6

Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
propane-1,2-diol	60-100	57-55-6

The Specific percentage of composition is being withheld as a trade secret. Further information is available as required by 29 CFR 1910.1200(i). Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Section 5. Fire-fighting measures

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
propane-1,2-diol	**AIHA WEEL (United States, 7/2018).** TWA: 10 mg/m³ 8 hours.

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid. [Viscous liquid. Hygroscopic.]

Color : Colorless.

Odor : Odorless.

Odor threshold : Not available.

pH : Not applicable.

Melting point : <-20°C (<-4°F)

Boiling point : 188.2°C (370.8°F)

Flash point : Closed cup: 99°C (210.2°F).

Evaporation rate : 0.01 compared with butyl acetate

Flammability (solid, gas) : Not available.

Lower and upper explosive : Lower: 2.6% Upper: 12.6%

Section 9. Physical and chemical properties

Vapor pressure : 0.02 kPa (0.2 mm Hg) (at 20°C)

Vapor density : 2.6 (Air = 1)

Relative density : 1.04 (Water = 1)

Solubility : Easily soluble in the following materials: cold water, hot water.
Soluble in the following materials: methanol, acetone.

Solubility in water : Not available.

Partition coefficient: n-octanol/water : -1.07

Auto-ignition temperature : 371°C (699.8°F)

Decomposition temperature : Not available.

Viscosity : Dynamic: 43.43 cP

Flow time (ISO 2431) : Not available.

Molecular weight : 76.11 g/mole

Aerosol product

Heat of combustion : -23981060 J/kg

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
propane-1,2-diol	LD50 Dermal LD50 Oral	Rabbit Rat	20800 mg/kg 20 g/kg	- -

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
propane-1,2-diol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
	Skin - Moderate irritant	Child	-	96 hours 30 Percent continuous	-
	Skin - Mild irritant	Human	-	168 hours 500 milligrams	-
	Skin - Moderate irritant	Human	-	72 hours 104	-

Section 11. Toxicological information

	Skin - Mild irritant	Woman	-	Intermittent 96 hours 30 Percent	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Section 11. Toxicological information

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral Dermal	20000 mg/kg 20800 mg/kg

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
propane-1,2-diol	Acute EC50 >110 ppm Fresh water Acute LC50 1020000 µg/l Fresh water Acute LC50 710000 µg/l Fresh water	Daphnia - Daphnia magna Crustaceans - Ceriodaphnia dubia Fish - Pimephales promelas	48 hours 48 hours 96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
propane-1,2-diol	-1.07	-	low

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification
UN number	Not regulated.
UN proper shipping name	-
Transport hazard class(es)	-
Packing group	-
Environmental hazards	No.
Additional information	-

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption**: Not determined
United States inventory (TSCA 8b): This material is listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

No products were found.

Section 15. Regulatory information

Massachusetts	: This material is not listed.
New York	: This material is not listed.
New Jersey	: This material is listed.
Pennsylvania	: This material is listed.

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

International lists

National inventory

Australia	: This material is listed or exempted.
Canada	: This material is listed or exempted.
China	: This material is listed or exempted.
Europe	: This material is listed or exempted.
Japan	: **Japan inventory (ENCS)**: This material is listed or exempted. **Japan inventory (ISHL)**: This material is listed or exempted.
Malaysia	: This material is listed or exempted.
New Zealand	: This material is listed or exempted.
Philippines	: This material is listed or exempted.
Republic of Korea	: This material is listed or exempted.
Taiwan	: This material is listed or exempted.
Turkey	: This material is listed or exempted.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

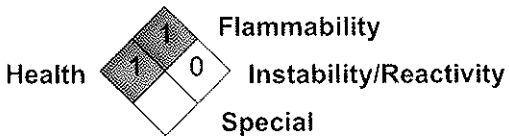
Health	0
Flammability	1
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)

Section 16. Other information



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Procedure used to derive the classification

Classification	Justification
Not classified.	

History

Date of printing	:	9/13/2019
Date of issue/Date of revision	:	9/13/2019
Date of previous issue	:	No previous validation
Version	:	1
Key to abbreviations	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
References	:	New 11/23/2015; Format Update and Reviewed 09/13/2019.

Indicates information that has changed from previously issued version.

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