Spill Notification for WRR Environmental Services Co., Inc.
EPA ID# WID990829475
FID# 618026530
WI SPILL# 14552
ID 20191007WC18-1 – Solvent - Chlorinated

Per Condition 86 of WRR Environmental Services' current Feasibility and Plan of Operations Report (FPOR), WRR is making the following spill report to the Department's designated Hazardous Waste Inspector assigned to WRR, to the Department's designated Hazardous Waste plan review staff person assigned to WRR and to the Department's designated Spills Coordinator.

This notification, required by Condition 86 of the WRR FPOR and NR 706.05(1), contains the following information to the extent practicable or applicable:

1. Name, address, and telephone number of the person reporting the discharge.

   Becky Anderson – Director of Compliance
   WRR Environmental Services Co., Inc.
   5200 Ryder Road
   Eau Claire WI 54701

2. Name, address, and telephone number of the discharger, or owner and operator of the UST system and any other potentially responsible persons.

   WRR Environmental Services Co., Inc.
   5200 Ryder Road
   Eau Claire WI 54701

3. Date, time, and duration of the discharge.

   October 7, 2019 at 5:50 pm. Time to clean up the release was 2.0 hours.

   Location of the discharge including street address, county, town, city or village

   WRR Environmental Services Co., Inc.
   5200 Ryder Road
   Eau Claire WI 54701

   Town of Washington

4. Identity, physical state, and quantity of the material discharged.

   25 gallons of a flammable chlorinated solvent called Chlorobenzene. An SDS for this material is attached for reference.

5. Physical, chemical, hazardous, and toxicological characteristics of the substance.

   The material that spilled is hazardous due to flammability with a flash point of less than 74F.

6. Cause of the discharge.

   An operator was filling a tote with Chlorobenzene when he walked away to address an issue with a thin film evaporator. He lost track of time and when he was called back to the tote by another employee, the release had occurred.

7. Immediate actions being taken and the name of the contractor or other person performing the action.

   The pumping operation was ceased when the release was discovered. Clay based spill clean-up material, pads and booms were used to clean up the release.

   All clean up activities were conducted by WRR personnel.

8. Source, speed of movement, and destination or probable destination of the discharged hazardous substance.

   The release occurred indoors on concrete. There are no drains located in the EII building. The release was contained and wasn't allowed out of the building.

   Included with this report is a facility map with the release location marked with a red arrow.

9. Actual or potential impacts to human health or the environment, including actual or potential impacts to drinking water supplies.

   No drinking water supplies were impacted by the spill. Air emissions from the spill were calculated to be less than 0.44 lbs of chlorobenzene based on the inside temperature and spill area at the time of the release and cleanup activities.

10. Weather conditions existing at the scene, including presence of precipitation and wind direction and velocity.

    It was 64 F inside the EII building at time of the release and clean up activities.

11. Other agencies on–scene during the discharge incident.

    No agencies were on-site during the discharge or clean-up.

SAFETY DATA SHEET

Creation Date 10-Sep-2009 **Revision Date** 01-Oct-2018 **Revision Number** 9

1. Identification

Product Name **Chlorobenzene**

Cat No. : **B254-4; B254-4LC; B254-20; B254RS-200; B255-1; B255-500**

CAS-No 108-90-7
Synonyms Monochlorobenzene; Benzene chloride (Laboratory/Certified)

Recommended Use Laboratory chemicals.
Uses advised against Food, drug, pesticide or biocidal product use

Details of the supplier of the safety data sheet

Company
Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410
Tel: (201) 796-7100

Emergency Telephone Number
CHEMTREC®, Inside the USA: 800-424-9300
CHEMTREC®, Outside the USA: 001-703-527-3887

2. Hazard(s) identification

Classification
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids	Category 3
Acute Inhalation Toxicity - Vapors	Category 4
Skin Corrosion/irritation	Category 2

Label Elements

Signal Word
Warning

Hazard Statements
Flammable liquid and vapor
Causes skin irritation
Harmful if inhaled

Precautionary Statements
Prevention
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Response
Get medical attention/advice if you feel unwell
Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
Skin
If skin irritation occurs: Get medical advice/attention
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
Fire
In case of fire: Use CO2, dry chemical, or foam for extinction
Storage
Store in a well-ventilated place. Keep cool
Disposal
Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)
Toxic to aquatic life with long lasting effects

3. Composition/Information on Ingredients

Component	CAS-No	Weight %
Chlorobenzene	108-90-7	>95

4. First-aid measures

General Advice If symptoms persist, call a physician.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

Inhalation Move to fresh air. If not breathing, give artificial respiration. Get medical attention if

symptoms occur.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects None reasonably foreseeable. Causes central nervous system depression: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting

Notes to Physician Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media Water may be ineffective

Flash Point 23 °C / 73.4 °F

Method - No information available

Autoignition Temperature 590 °C / 1094 °F

Explosion Limits

Upper 9.6 vol %

Lower 1.8 vol %

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical

Flammable. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated.

Hazardous Combustion Products

Carbon monoxide (CO) Carbon dioxide (CO_2) Hydrogen chloride gas Phosgene

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health	Flammability	Instability	Physical hazards
2	3	0	N/A

6. Accidental release measures

Personal Precautions Use personal protective equipment. Ensure adequate ventilation.

Environmental Precautions Should not be released into the environment.

Methods for Containment and Clean Up Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

7. Handling and storage

Handling Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Ensure adequate ventilation.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition.

8. Exposure controls / personal protection

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL (TWA)
Chlorobenzene	TWA: 10 ppm	(Vacated) TWA: 75 ppm (Vacated) TWA: 350 mg/m^3 TWA: 75 ppm TWA: 350 mg/m^3	IDLH: 1000 ppm	TWA: 75 ppm TWA: 350 mg/m^3

Legend

ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

Engineering Measures Use only under a chemical fume hood. Use explosion-proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection Long sleeved clothing.

Respiratory Protection No protective equipment is needed under normal use conditions.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical State	Liquid
Appearance	Clear
Odor	bitter almond
Odor Threshold	No information available
pH	No information available
Melting Point/Range	-45 °C / -49 °F
Boiling Point/Range	131 °C / 267.8 °F
Flash Point	23 °C / 73.4 °F
Evaporation Rate	1 (Butyl Acetate = 1.0)
Flammability (solid,gas)	Not applicable
Flammability or explosive limits	
Upper	9.6 vol %
Lower	1.8 vol %
Vapor Pressure	12 mbar @ 20°C
Vapor Density	3.9
Specific Gravity	1.108
Solubility	moderately soluble
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	590 °C / 1094 °F
Decomposition Temperature	> 132°C
Viscosity	0.8 mPa.s @ 20°C
Molecular Formula	C6 H5 Cl
Molecular Weight	112.56

10. Stability and reactivity

Reactive Hazard None known, based on information available

Stability Stable under recommended storage conditions.

Conditions to Avoid Incompatible products. Excess heat. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible Materials Strong oxidizing agents, Bases, Strong reducing agents, Metals

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO_2), Hydrogen chloride gas, Phosgene

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity

Product Information

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Chlorobenzene	LD50 2000 - 4000 mg/kg (Rat)	LD50 > 7940 mg/kg (Rabbit)	LC50 = 13.5 mg/L (Rat) 7 h

Toxicologically Synergistic Products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation Irritating to skin

Sensitization No information available

Carcinogenicity

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Chlorobenzene	108-90-7	Not listed	Not listed	A3	Not listed	A3

ACGIH: (American Conference of Governmental Industrial Hygienists)

A1 - Known Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen

Mexico - Occupational Exposure Limits - Carcinogens

ACGIH: (American Conference of Governmental Industrial Hygienists)
Mexico - Occupational Exposure Limits - Carcinogens
A1 - Confirmed Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Confirmed Animal Carcinogen
A4 - Not Classifiable as a Human Carcinogen
A5 - Not Suspected as a Human Carcinogen

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure None known

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects,both acute and delayed Causes central nervous system depression: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting

Endocrine Disruptor Information No information available

Other Adverse Effects Tumorigenic effects have been reported in experimental animals.

12. Ecological information

Ecotoxicity

The product contains following substances which are hazardous for the environment. Contains a substance which is:. Very toxic to aquatic organisms.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Chlorobenzene	EC50: = 12.5 mg/L, 96h static (Pseudokirchneriella subcapitata) EC50: 2.55 - 420 mg/L, 96h (Pseudokirchneriella subcapitata)	LC50: = 91 mg/L, 96h static (Brachydanio rerio) LC50: 4.1 - 5.3 mg/L, 96h flow-through (Oncorhynchus mykiss) LC50: 36.35 - 58.19 mg/L, 96h static (Poecilia reticulata) LC50: 4.1 - 4.9 mg/L, 96h static (Lepomis macrochirus) LC50: 7 - 8.5 mg/L, 96h flow-through (Pimephales promelas) LC50: 6.9 - 7.9 mg/L, 96h flow-through (Lepomis macrochirus) LC50: = 4.5 mg/L, 96h static (Pimephales promelas)	EC50 = 11.26 mg/L 30 min EC50 = 11.3 mg/L 30 min EC50 = 11.5 mg/L 15 min EC50 = 20 mg/L 10 min EC50 = 9.36 mg/L 5 min	EC50: = 0.59 mg/L, 48h (Daphnia magna)

Persistence and Degradability Persistence is unlikely

Bioaccumulation/ Accumulation No information available.

Mobility . Will likely be mobile in the environment due to its water solubility.

Component	log Pow
Chlorobenzene	2.8

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Component	RCRA - U Series Wastes	RCRA - P Series Wastes
Chlorobenzene - 108-90-7	U037	-

14. Transport information

DOT

UN-No UN1134
Proper Shipping Name CHLOROBENZENE
Hazard Class 3
Packing Group III

TDG

UN-No UN1134
Proper Shipping Name CHLOROBENZENE
Hazard Class 3
Packing Group III

IATA

UN-No UN1134
Proper Shipping Name CHLOROBENZENE
Hazard Class 3
Packing Group III

IMDG/IMO

UN-No UN1134

Proper Shipping Name	CHLOROBENZENE
Hazard Class	3
Packing Group	III

15. Regulatory information

All of the components in the product are on the following Inventory lists: The product is classified and labeled according to EC directives or corresponding national laws The product is classified and labeled in accordance with Directive 1999/45/EC Europe China Canada TSCA Korea Japan X = listed Australia U.S.A. (TSCA) Canada (DSL/NDSL) Europe (EINECS/ELINCS/NLP) Australia (AICS) Korea (ECL) China (IECSC) Japan (ENCS) Philippines (PICCS) Philippines Complete Regulatory Information contained in following SDS's

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Chlorobenzene	X	X	-	203-628-5	-		X	X	X	X	X

Legend:
X - Listed
E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
P - Indicates a commenced PMN substance
R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
S - Indicates a substance that is identified in a proposed or final Significant New Use Rule
T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.
XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).
Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b)

SARA 313

Component	CAS-No	Weight %	SARA 313 - Threshold Values %
Chlorobenzene	108-90-7	>95	1.0

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act)

Component	CWA - Hazardous Substances	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants
Chlorobenzene	X	100 lb	-	X

Clean Air Act

Component	HAPS Data	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Chlorobenzene	X		-

OSHA Occupational Safety and Health Administration
Not applicable

CERCLA This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Component	Hazardous Substances RQs	CERCLA EHS RQs
Chlorobenzene	100 lb 1 lb	-

California Proposition 65 This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Chlorobenzene	X	X	X	X	X

U.S. Department of Transportation

Reportable Quantity (RQ):	Y
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N

U.S. Department of Homeland Security
This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade Serious risk, Grade 3

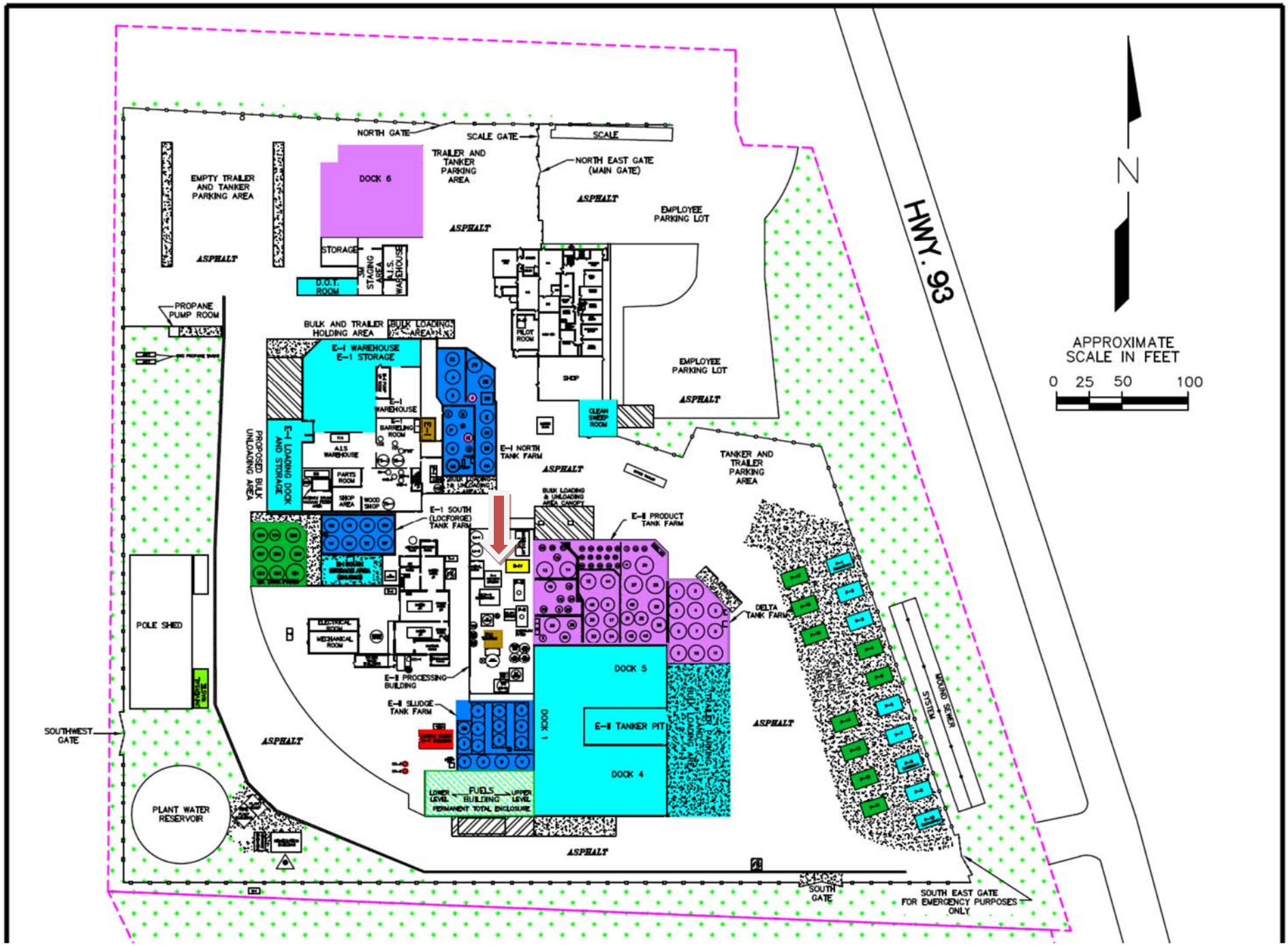
16. Other information

Prepared By
Regulatory Affairs
Thermo Fisher Scientific
Email: EMSDS.RA@thermofisher.com

Creation Date 10-Sep-2009
Revision Date 01-Oct-2018
Print Date 01-Oct-2018
Revision Summary This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS


NORTH GATE
SCALE GATE
SCALE
NORTH EAST GATE
(MAIN GATE)
TRAILER AND
TANKER
PARKING
AREA
EMPTY TRAILER
AND TANKER
PARKING AREA
DOCK 6
ASPHALT
EMPLOYEE
PARKING LOT
HWY. 93
STORAGE
L.I.S.
WAREHOUSE
D.O.T.
ROOM
PILOT
ROOM
SHOP
CLEAN
SHEEP
ROOM
PROPANE
PUMP ROOM
BULK AND TRAILER
HOLDING AREA
BULK LOADING
AREA
E-I WAREHOUSE
E-I STORAGE
E-I
WAREHOUSE
E-I
BARRELING
ROOM
E-I LOADING DOCK
AND STORAGE
PROPOSED BULK
UNLOADING AREA
ALS
WAREHOUSE
PARTS
ROOM
SHOP
AREA
WOOD
SHOP
E-I NORTH
TANK FARM
TANKER AND
TRAILER
PARKING
AREA
BULK LOADING
& UNLOADING
AREA CANOPY
E-I SOUTH
(LOCFORGE)
TANK FARM
E-II PRODUCT
TANK FARM
POLE SHED
ELECTRICAL
ROOM
MECHANICAL
ROOM
DELTA
TANK FARM
DOCK 5
E-II PROCESSING
BUILDING
E-II SLUDGE
TANK FARM
DOCK 1
E-II TANKER PIT
DOCK 4
SOUTHWEST
GATE
FUELS
BUILDING
LOWER
LEVEL
UPPER
LEVEL
PERMANENT TOTAL ENCLOSURE
PLANT WATER
RESERVOIR
SOUTH
GATE
SOUTH EAST GATE
FOR EMERGENCY PURPOSES
ONLY
N
APPROXIMATE
SCALE IN FEET
0 25 50 100

WRR Environmental Services Co Inc.
5200 Ryder Road
Eau Claire WI 54701
FID ID# 618026530
EPA ID# WID990829475

Condition 86 – DNR Spill Hotline Report

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

James L Hager
President/CEO

10/22/2019

Date