



1. PRODUCT & COMPANY IDENTIFICATION

Recommended use of the chemical and restriction on use

Recommended use: Polyurea component industrial chemicals
 Suitable for use in industrial sector: Polymers industry; chemical industry

Company

SASE Company Inc.
 2475 Stock Creek Blvd.
 Rockford, TN 37853

Phone: 1800-522-2606

Fax: 865.745.4110

www.sasecompany.com

Emergency Telephone Number: Call INFOTRAC Day or Night, Within USA or Canada 800.535.5053
Use only for hazardous materials (or dangerous goods) incident - spill, leak, fire, exposure, or accident.

2. HAZARDS IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Acute Tox.	4 (Inhalation)	Acute Toxicity
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Skin Corr./Irrit.	2	Skin corrosion/irritation
STOT SE	3	Specific target organ toxicity — single exposure
STOT RE	2	Specific target organ toxicity — repeated exposure
Eye Dam./Irrit.	2B	Serious eye damage/eye irritation
Carc.	2	Carcinogenicity

Label elements

Pictograms:



Signal Word:
 WARNING

Hazard Statements:

H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure.
H319	Causes serious eye irritation
H335	May cause respiratory irritation H315 - Causes skin irritation
H315	Causes skin irritation
H320	Causes eye irritation
H351	Suspected of causing cancer.

Precautionary Statements (

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash exposed skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	Wear respiratory protection.
P271	Use only outdoors or in a well-ventilated area.

P201	Obtain special instructions before use.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P202	Do not handle until all safety precautions have been read and understood.
P272	Contaminated work clothing should not be allowed out of the workplace.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash exposed skin thoroughly after handling.

Precautionary Statements (Response):

P305+351+338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER/doctor/...if you feel unwell.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P311	IF exposed or concerned: Call a POISON CENTER/doctor/...
P314	Get medical advice/attention if you feel unwell.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents/container to a licensed waste disposal facility
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Hazards not otherwise classified

Route of Entry:

Eyes; Ingestion; Inhalation; Skin;

Target Organs:

Respiratory system; Skin; Eyes;

Inhalation:

At room temperature, MDI vapors are minimal due to low vapor pressure. However, heating, spraying, foaming, or otherwise mechanically dispersing (drumming, venting or pumping) operations may generate vapor or aerosol concentrations sufficient to cause irritation or other adverse effects. Excessive exposure may cause irritation of the eyes, upper respiratory tract and lungs. Severe overexposure may lead to pulmonary edema. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals. MDI concentrations below the exposure guidelines may cause allergic respiratory reactions in individuals already sensitized. Symptoms may include coughing, dryness of throat, headache, nausea, difficult breathing and a feeling of tightness in the chest. Effects may be delayed. Impaired lung function (decreased ventilator capacity) has been associated with overexposure to isocyanates
 Chronic: As a result of previous repeated overexposures or a single large dose, certain individuals develop isocyanate sensitization (chemical asthma) or tissue injury in the upper respiratory tract. Animal tests indicate skin contact alone may also lead to allergic respiratory reaction. These effects may be permanent. Any person developing asthmatic reaction or other sensitization should be removed from further exposure.

Skin Contact:

Product is a skin sensitizer. Causes irritation with symptoms of reddening, itching and swelling. Prolonged or repeated exposure can cause skin irritation, reddening, dermatitis, and in some individuals, sensitization. Skin contact may result in allergic skin reactions or respiratory sensitization, but is not expected to result in absorption of amounts sufficient to cause other adverse effects. May stain skin. Cured material is difficult to remove.

Eye Contact:

As a liquid, vapor, aerosol or dust, may cause irritation, inflammation, and/or damage to sensitive eye tissue. Symptoms include reddening, tearing, stinging and swelling. May cause corneal injury. Prolonged contact may cause conjunctivitis.

3. COMPOSITION / INFORMATION ON INGREDIENT

According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Content %</u>	<u>Chemical Name</u>
101-68-8	25-45%	4,4'-Methylenediphenyl diisocyanate
9016-87-9	60-80%	Isocyanic acid, polymethylenepolyphenylene ester
64742-94-5	25-45%	Solvent Naphtha (Petroleum)
91-20-3	0-4%	Naphthalene

4. FIRST AID MEASURES**Description of first aid measures****Inhaled:**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility immediately.

Skin Contact:

Wash off in flowing warm water or shower with soap. Remove and wash contaminated clothing and discard contaminated shoes. For severe exposure, get under safety shower after removing clothing, then seek medical attention. If redness, itching or a burning sensation develops or persists after the area is washed, consult a physician.

Eye Contact:

Flush with large amounts of water for 15 minutes. Materials containing MDI may react with the moisture in the eye forming a thick material that is difficult to remove. Get immediate medical attention.

Ingestion:

DO NOT INDUCE VOMITING. Give 1-2 cups of milk or water to drink. Never give anything by mouth to an unconscious person. Seek medical attention.

5. FIRE-FIGHTING MEASURES

Flammability:	OSHA - none; DOT - none
Flash Point:	151°F
Flash Point Method:	PMCC
Burning Rate:	N/A
Autoignition Temp:	NDA
LEL:	N/A
UEL:	N/A

Use dry chemical, foam, carbon dioxide, foam or water spray for large fires. The reaction between water and hot isocyanate may be vigorous. If possible, contain fire run-off water.

Protective Equipment: Wear positive-pressure self-contained breathing apparatus with full face mask and full protective clothing. At temperatures greater than 400°F, polymeric MDI can polymerize and decompose which will cause pressure build-up in closed containers. Explosive rupture is possible. Water contamination will produce carbon dioxide. Do not reseal contaminated containers as pressure buildup may rupture the containers. Downwind personnel must be evacuated. Fire Degradation Products: Isocyanate vapor and mist, carbon dioxide, carbon monoxide, nitrogen oxides and traces of hydrogen cyanide.

6. ACCIDENTAL RELEASE MEASURES

Spill:

Evacuate and isolate spill area. Remove any ignition sources. With adequate ventilation and appropriate personal protective equipment, cover the area with an inert absorbent material such as clay or vermiculite and transfer to metal waste containers. Move container to a well ventilated area (outside), but do not seal the container with the isocyanate mixture. Larger quantities of liquid may be transferred directly to drums for disposal. Decontaminate or discard all clean-up equipment. **NOTE: ISOCYANATES WILL REACT WITH WATER AND GENERATE CARBON DIOXIDE. THIS COULD RESULT IN THE RUPTURE OF ANY CLOSED CONTAINERS.**

Methods and material for containment and cleaning up:

For small amounts: Absorb isocyanate with suitable absorbent material (see § 40 CFR, sections 260, 264 and 265 for further information). Shovel into open container. Do not make container pressure tight. Move container to a well-ventilated area (outside). Spill area can be decontaminated with the following recommended decontamination solution: Mixture of 90 % water, 8 % concentrated ammonia, 2 % detergent. Add at a 10 to 1 ratio. Allow to stand for at least 48 hours to allow escape of evolved carbon dioxide.

For large amounts: If temporary control of isocyanate vapor is required, a blanket of protein foam or other suitable foam (available from most fire departments) may be placed over the spill. Transfer as much liquid as possible via pump or vacuum device into closed but not sealed containers for disposal.

For residues: The following measures should be taken for final cleanup: Wash down spill area with decontamination solution. Allow solution to stand for at least 10 minutes. Dike spillage.

7. HANDLING & STORAGE

Precautions for safe handling

Handling: Use personal protective equipment when transferring material to or from drums, totes or other containers. The reaction of polyols and isocyanates generates heat. Contact of the reacting materials with skin or eyes can cause irritation and may be difficult to remove from the affected areas. Do not smoke or use naked lights, open flames, space heaters, or other ignition sources near pouring, frothing or spraying operations.

Special Emphasis for Spray Applications:

Inspect the application area from the potential to expose other persons or for overspray to drift onto buildings, vehicles or other property. When spraying building exteriors, persons entering or exiting the building as well as those inside could be exposed to polyisocyanates due to wind conditions, open windows or air intakes. Do not begin application work until these potential problems have been corrected.

Conditions for safe storage, including any incompatibilities

Storage: When stored between 15 and 30°C (60 and 85°F) in dry place in tightly sealed containers, typical shelf life is 12 months or more from the date of manufacture. Consult technical data sheet for shelf life requirements affecting performance quality. Should freezing occur, the material must be thawed thoroughly and mixed until uniform. Opened containers must be handled properly to prevent moisture pickup. Do not reseal if contamination is suspected.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Engineering Controls:

MDI has a low vapor pressure at room temperature. Monitoring is required to determine engineering controls. Uses requiring heating and/or spraying may require more aggressive engineering controls or PPE. Eyewash and safety showers should be available. HMIS PP, X | Consult your supervisor for special instructions.

Personal Protective Equipment

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection:

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection:

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures:

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

4,4'-Methylenediphenyl diisocyanate (101-68-8) [25-45%]

Components with workplace control parameters

TWA	0.0050 ppm	USA. ACGIH Threshold Limit Values (TLV)
Respiratory sensitization		
C	0.02 ppm 0.2 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants – 1910.1000
C	0.02 ppm 0.2 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 1 Limits for Air Contaminants

The value in mg/m3 is approximate. Ceiling limit is to be determined from breathing-zone air Samples.

TWA	0.0050 ppm 0.05 mg/m3	USA. NIOSH Recommended Exposure Limits
10 minute ceiling value		

C	0.2 ppm 0.2 mg/m3	USA. NIOSH Recommended Exposure Limits
10 minute ceiling value		

Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9) [60-80%] : no data available

Naphthalene (91-20-3) [0-4%]

Components with workplace control parameters

TWA 10 ppm USA. ACGIH Threshold Limit Values (TLV)
Eye & Upper Respiratory Tract irritation Hematologic effects Eye damage Not classifiable as a human carcinogen Danger of cutaneous absorption

STEL 15 ppm USA. ACGIH Threshold Limit Values (TLV)
Eye & Upper Respiratory Tract irritation Hematologic effects Eye damage Not classifiable as a human carcinogen Danger of cutaneous absorption

TWA 10 ppm USA. OSHA - TABLE Z-1 Limits for Air
50 mg/m³ Contaminants –
1910.1000

STEL 15 ppm USA. OSHA - TABLE Z-1 Limits for Air
75 mg/m³ Contaminants –
1910.1000

TWA 10 ppm USA. Occupational Exposure Limits (OSHA) - Table
50 mg/m³ Z- 1
Limits for Air Contaminants

The value in mg/m³ is approximate

TWA 10 ppm USA. NIOSH Recommended Exposure
Limits 50 mg/m³

ST 15 ppm USA. NIOSH Recommended Exposure
Limits 75 mg/m³

9. PHYSICAL / CHEMICAL PROPERTIES

Appearance:	Non-pigmented liquid.
Physical State:	Liquid
Odor:	musty
Spec Grav./Density:	N/A
Viscosity:	Approx. 22 cps
Freezing/Melting Pt.:	32°F
Boiling Point:	Approx. 406°F
Flash Point:	150°F
Flammability:	None
Auto-Ignition Temp:	NDA
Evap. Rate:	<1
Molecular Formula:	N/A
Solubility:	Not Soluble in water; REACTS with water
Percent Volatile:	0%
Vapor Density:	>1

10. STABILITY & REACTIVITY

Chemical Stability:

Polyisocyanates are highly reactive chemicals that should be handled and stored in a way to avoid many common substances, including water and moisture. Product is stable under normal conditions.

Conditions to Avoid:

Moisture and/or water. High temperatures, sparks, flame and temperature above 350°F.

Materials to Avoid:

Water; strong bases; alcohols; amines; metal compounds;

Hazardous Decomposition:

By fire or excessive heat: carbon monoxide, carbon dioxide, oxides of nitrogen, traces of hydrogen cyanide, ammonia and MDI vapors. Excess gas may rupture containers.

Hazardous Polymerization:

May occur with incompatible reactants, especially strong bases, water or temperatures over 320°F (50°C).

11. TOXICOLOGICAL INFORMATION

4,4'-Methylenediphenyl diisocyanate (101-68-8) [25-45%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 4,700 mg/kg

Inhalation LC50 Dermal LD50 no data available

Other information on acute toxicity

Skin corrosion/irritation:

Serious eye damage/eye irritation:

Eyes - rabbit - Moderate eye irritation

Respiratory or skin sensitization:

no data available

May cause allergic respiratory and skin reactions

Germ cell mutagenicity:

Laboratory experiments have shown mutagenic effects.

Genotoxicity in vitro - Human - lymphocyte Sister chromatid exchange

Genotoxicity in vitro - rat - Inhalation DNA damage

Carcinogenicity:

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. Limited evidence of carcinogenicity in animal studies

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Diphenylmethane-4,4- diisocyanate)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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.

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.

Reproductive toxicity:

Reproductive toxicity - rat - Inhalation:

Maternal Effects:

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Other effects. Specific Developmental Abnormalities: Musculoskeletal system.
no data available

Teratogenicity:
no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
May cause respiratory irritation.

Specific target organ toxicity repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard:
no data available

Potential health effects:
Inhalation May be fatal if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed.
Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure:
Cough, Shortness of breath, Headache, Nausea, Vomiting, Pulmonary edema. Effects may be delayed.

Synergistic effects:
no data available

Additional Information:

RTECS: NQ9350000

Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9) [60-80%]

Information on toxicological effects

Acute toxicity:
Oral LD50 no data available
Inhalation LC50 LC50 Inhalation - rat - 4 h - 0.49 mg/l
Dermal LD50
Other information on acute toxicity

Skin corrosion/irritation:
no data available

Serious eye damage/eye irritation:
no data available

Respiratory or skin sensitisation:
May cause allergic respiratory and skin reactions

Germ cell mutagenicity:
no data available

Carcinogenicity:
IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Isocyanic acid, polymethylenepolyphenylene ester)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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.

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.

Reproductive toxicity:

no data available

Teratogenicity:

no data available

Specific target organ toxicity:

single exposure (Globally Harmonized System):

Inhalation:

May cause respiratory irritation.

Specific target organ toxicity:

repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard:

no data available

Potential health effects:

Inhalation May be fatal if inhaled. Causes respiratory tract irritation. Ingestion Harmful if swallowed. Skin Harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure:

salivary gland obstruction, allergic dermatitis, respiratory difficulties, bronchoconstriction, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: Not available

Naphthalene (91-20-3) [0-4%]

Information on toxicological effects Acute toxicity:

Oral LD50 LD50 Oral - rat - 490.0 mg/kg

Inhalation LC50 LC50 Inhalation - rat - 1 h - > 340 mg/m3 Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation. Behavioral:Somnolence (general depressed activity).

Dermal LD50 LD50 Dermal - rabbit - 20,000 mg/kg

Other information on acute toxicity no data available

Skin corrosion/irritation:

no data available

Serious eye damage/eye irritation:

Eyes - rabbit - Mild eye irritation

Respiratory or skin sensitisation:

no data available

Germ cell mutagenicity:

no data available

Carcinogenicity:

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Naphthalene)

NTP: Reasonably anticipated to be a human carcinogen (Naphthalene)

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.

Reproductive toxicity:

no data available

Teratogenicity:

no data available

Specific target organ toxicity single exposure (Globally Harmonized System):

no data available

Specific target organ toxicity repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard:

no data available

Potential health effects:

Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion Toxic if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure:

Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer., Naphthalene is retinotoxic and systemic absorption of its vapors above 15ppm, may result in:, cataracts, optic neuritis, corneal injury, Eye irritation, Ingestion may provoke the following symptoms:, hemolytic anemia, hemoglobinuria, Nausea, Headache, Vomiting, Gastrointestinal disturbance, Convulsions, anemia, Kidney injury may occur., Seizures., Coma.

Synergistic effects:

no data available

Additional Information:

RTECS: QJ0525000

12. ECOLOGICAL INFORMATION

4,4'-Methylenediphenyl diisocyanate (101-68-8) [25-45%]

Information on ecological effects

Toxicity:

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 0.35 mg/l - 24 h.
and other aquatic invertebrates

Persistence and degradability:

no data available

Bioaccumulative potential:

no data available

Mobility in soil:

no data available

PBT and vPvB assessment:

no data available

Other adverse effects:

Do not empty into drains.

no data available

Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9) [60-80%]

Information on ecological effects

Toxicity:

no data available

Persistence and degradability:

no data available

Bioaccumulative potential:

no data available

Mobility in soil:

no data available

PBT and vPvB assessment:

no data available

Other adverse effects: no data available

Naphthalene (91-20-3) [0-4%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 0.9 - 9.8 mg/l - 96.0 h.

LC50 - Pimephales promelas (fathead minnow) - 1 - 6.5 mg/l - 96.0 h

NOEC - other fish - 1.8 mg/l - 3.0 d

LOEC - other fish - 3.2 mg/l - 3.0 d

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 1.00 - 3.40 mg/l - 48 h.
and other aquatic invertebrates

Toxicity to algae EC50 - No information available. - 33.00 mg/l - 24 h.

Persistence and degradability: Biodegradability Result:

According to the results of tests of biodegradability this product is not readily biodegradable.

no data available

Bioaccumulative potential: Bioaccumulation Fish - Bioconcentration factor (BCF): 427 - 1,158

Mobility in soil:

no data available

PBT and vPvB assessment:

no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

Waste disposal of substance:

Incinerate or dispose of in a licensed facility. Do not discharge substance/product into sewer system.

Container disposal:

DRUMS:

Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Do not reuse empty containers.

14. TRANSPORTATION INFORMATION

Land Transport:

USDOT Classified as combustible liquid in containers greater than 119 gallons.

Sea Transport:

IMDG Not classified as a dangerous good under transport regulations.

Air Transport:

IATA/ICAO Not classified as a dangerous good under transport regulations.

Further Information

DOT: This product is regulated if the amount in a single receptacle exceeds the Reportable Quantity (RQ).

Please refer to Section 15 of this SDS for the RQ for this product.

15. REGULATORY INFORMATION

Component (CAS#) [%] - CODES

RQ(5000LBS), 4,4'-Methylenediphenyl diisocyanate (101-68-8) [25-45%] CERCLA, HAP, IARC, MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR

Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9) [60-80%] IARC, SARA313, TSCA

Solvent Naphtha (Petroleum) (64742-94-5) [25-45%] TSCA

RQ(100LBS), Naphthalene (91-20-3) [0-4%] CERCLA, CSWHS, EPCRAWPC, HAP, IARC, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

Regulatory CODE Descriptions

RQ = Reportable Quantity
CERCLA = Superfund clean up substance
HAP = Hazardous Air Pollutants
IARC = IARC Carcinogen Risks

MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
CSWHS = Clean Water Act Hazardous substances
EPCRAWPC = EPCRA Water Priority Chemicals
PRIPOL = Clean Water Act Priority Pollutants
TOXICPOL = Clean Water Act Toxic Pollutants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TXHWL = TX Hazardous Waste List

NFPA Hazard codes:

Health 2 Fire 2 Reactivity 1, Specific: None

HMIS III rating:

Health 2 Fire 2 Physical Hazard 1

HMIS PPE:

Consult your supervisor for special instructions

16. OTHER INFORMATION

SDS Prepared by: Technical Services

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.
END OF DATA SHEET



1. PRODUCT & COMPANY IDENTIFICATION

Recommended use of the chemical and restriction on use

Recommended use: Polyurethane component industrial chemicals
 Suitable for use in industrial sector: Polymers industry; chemical industry

Company

SASE Company Inc.
 2475 Stock Creek Blvd.
 Rockford, TN 37853

Phone: 1800-522-2606

Fax: 865.745.4110

www.sasecompany.com

Emergency Telephone Number: Call INFOTRAC Day or Night, Within USA or Canada 800.535.5053
Use only for hazardous materials (or dangerous goods) incident - spill, leak, fire, exposure, or accident.

2. HAZARDS IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Aspiration hazard	1	Aspiration hazard
Respiratory or skin sensitization	1 (Skin)	Respiratory or skin sensitization
Carc.	2	Carcinogenicity
Eye Dam./Irrit.	2B	Serious Eye Damage/Eye Irritation
STOTSE	3	Specific target organ toxicity - Single exposure
Flammable Liquids	4	Flammable Liquids
Acute Tox.	4 (Oral)	Acute toxicity

Label elements

Pictograms:



Signal Word:
DANGER

Hazard Statements:

H304	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction
H351	Suspected of causing cancer
H320	Causes eye irritation
H336	May cause drowsiness or dizziness
H227	Combustible liquid
H302	Harmful if swallowed

Precautionary Statements (Prevention):

P210 Keep away from heat, hot surfaces, sparks, open flames.
P273 Avoid release to the environment.
P280 Wear protective gloves.
P281 Use personal protective equipment as required.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary Statements (Storage):

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified**Route of Entry:**

Eyes; Ingestion; Inhalation; Skin;

Target Organs:

Eyes; Skin; Respiratory system;

Inhalation:

Heating, spraying, foaming or otherwise mechanically dispersing operations may generate vapor or aerosol concentrations sufficient to cause irritation or other adverse effects. Minimal respiratory tract irritation may occur with exposure to a large amount of material.

Skin Contact:

Prolonged or repeated exposure can cause skin irritation or dermatitis in some individuals.

Eye Contact:

May cause watering of the eye and irritation of the conjunctiva.

3. COMPOSITION / INFORMATION ON INGREDIENTS**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

<u>Cas Number</u>	<u>Content %</u>	<u>Chemical Name</u>
102-60-3	20-40%	2-Propanol, 1,1',1",1'''-(1,2-ethanediyldinitrilo)tetrakis-
64742-94-5	50-70%	Solvent Naphtha (Petroleum)
91-20-3	0-7%	Naphthalene

4. FIRST AID MEASURES**Inhalation:**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility immediately.

Skin Contact:

Remove all contaminated clothing and shoes. Wash skin with large quantities of water and soap. Wash clothing before wearing again and clean shoes. If redness, itching or a burning sensation develops or persists after the area is washed, consult a physician.

Eye Contact:

Flush with large amounts of water for 15 minutes. Use fingers to assure that the eyelids are separated and that the eye is being irrigated. Get immediate medical attention.

Ingestion:

If swallowed, do not induce vomiting unless directed to do so by medical personnel. This material is an aspiration hazard. Never give anything by mouth to an unconscious person. Seek medical attention.

5. FIRE-FIGHTING MEASURES

Flash Point: >150°F

Flash Point Method: COC

Dry powder, foam, carbon dioxide. Use cold water spray to cool fire exposed containers to minimize risk of rupture. A solid stream of water directed into hot burning liquid could cause frothing. If possible, contain fire run off.

6. ACCIDENTAL RELEASE MEASURES**Spill:**

Remove all sources of flames, heating elements, gas engines, etc. Emergency clean-up personnel should wear chemical goggles, rubber or plastic gloves and clothing as required to protect against contact. Prevent spreading and contamination of surface waters and drinking supplies. Notify local health officials and other appropriate agencies if such contamination should occur.

Clean up:

With adequate ventilation and appropriate personal protective equipment, cover the area with an inert absorbent material such as clay or vermiculite and transfer to steel waste containers. Ventilate area to remove the remaining vapors.

7. HANDLING & STORAGE**Handling Precautions:**

Do not smoke or use naked lights, open flames, space heaters or other ignition sources near pouring, frothing or spraying operations. If contamination with isocyanates is suspected, do not reseal containers. Special Emphasis for spray applications of mixed products containing isocyanates: Inspect the application area for potential to expose other persons or for overspray to drift onto buildings, vehicles or other property. When spraying building exteriors, persons entering or exiting the building as well as those inside could be exposed to polyisocyanates due to wind conditions, open windows or air intakes. Do not begin application work until these potential problems have been corrected.

Storage Requirements:

When stored between 60°-85° F in sealed containers, typical shelf life is 12 months or more from the date of manufacture. Open containers must be handled properly to prevent moisture pickup.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION**Engineering Controls:**

Revision Date: 5-26-17

Product: SASE Flo-Mender 2 "B"

SDS 196.16

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All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Uses requiring heating and/or spraying may require more aggressive engineering controls or PPE

Personal Protective Equipment:

HMIS PP, X | Consult your supervisor for special instructions

Personal protective equipment

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Splash contact Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 120 min Material tested: Camatril (KCL 730 / Aldrich Z677442, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection:

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection:

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

2-Propanol, 1,1',1",1'''-(1,2-ethanediyldinitriilo)tetrakis- cas#:(102-60-3) [20-40%]

Naphthalene cas#:(91-20-3) [0-7%]

Components with workplace control parameters

TWA 10 ppm USA. ACGIH Threshold Limit Values (TLV)

Eye & Upper Respiratory Tract irritation Hematologic effects Eye damage Not classifiable as a human carcinogen Danger of cutaneous absorption

STEL 15 ppm USA. ACGIH Threshold Limit Values (TLV)

Eye & Upper Respiratory Tract irritation Hematologic effects Eye damage Not classifiable as a human carcinogen Danger of cutaneous absorption

TWA	10 ppm 50 mg/m ³	USA. OSHA - TABLE Z-1 Limits for Air Contaminants – 1910.1000
STEL	15 ppm 75 mg/m ³	USA. OSHA - TABLE Z-1 Limits for Air Contaminants – 1910.1000
TWA	10 ppm 50 mg/m ³	USA. Occupational Exposure Limits (OSHA) - Table Z- 1 Limits for Air Contaminants

The value in mg/m³ is approximate.

TWA	10 ppm Exposure Limits 50 mg/m ³	USA. NIOSH Recommended
ST	15 ppm Limits 75 mg/m ³	USA. NIOSH Recommended Exposure

1,2,4-Trimethylbenzene cas#:(95-63-6) [0-2%]

Components with workplace control parameters

TWA	25 ppm 125 mg/m ³	USA. OSHA - TABLE Z-1 Limits for Air Contaminants – 1910.1000
TWA	25 ppm 123 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
TWA	25 ppm 125 mg/m ³	USA. NIOSH Recommended Exposure Limits

hemimellitene is a mixture of the 1,2,3-isomer with up to 10% of related aromatics such as the 1,2,4-isomer.

9. PHYSICAL / CHEMICAL PROPERTIES

Appearance:	Non-Pigmented liquid.
Physical State:	Liquid
Spec Grav./Density:	N/A
Boiling Point:	>406°F
Flammability:	None Flammable
Evap. Rate:	<1
Odor:	Mild
Flash Point:	150°F
Vapor Density:	>1

10. STABILITY & REACTIVITY

Reactivity:	No specific data
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	No specific data
Materials to Avoid:	No specific data
Hazardous Decomposition	Under normal storage conditions hazardous decomposition products should not be produced.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

2-Propanol, 1,1',1'',1'''-(1,2-ethanediyldinitrilo)tetrakis- cas#:(102-60-3) [20- 40%]

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation:

no data available

Serious eye damage/eye irritation:

no data available

Respiratory or skin sensitisation:

May cause allergic skin reaction.

Germ cell mutagenicity:

no data available

Carcinogenicity:

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.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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.

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.

Reproductive toxicity:

no data available

Teratogenicity:

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):

no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard:

no data available

Potential health effects:

Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Synergistic effects:

no data available

Additional Information:

RTECS: UB5604000

Naphthalene cas#:(91-20-3) [0-7%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 490.0 mg/kg

Inhalation LC50 LC50 Inhalation - rat - 1 h - > 340 mg/m³ Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation. Behavioral:Somnolence (general depressed activity).

Dermal LD50 LD50 Dermal - rabbit - 20,000 mg/kg

Other information on acute toxicity no data available

Skin corrosion/irritation:

no data available

Serious eye damage/eye irritation:

Eyes - rabbit - Mild eye irritation

Respiratory or skin sensitisation:

no data available

Germ cell mutagenicity:

no data available

Carcinogenicity:

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Naphthalene)

NTP: Reasonably anticipated to be a human carcinogen (Naphthalene)

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.

Reproductive toxicity:

no data available

Teratogenicity:

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):

no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard:

no data available

Potential health effects:

Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion Toxic if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure:

Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer., Naphthalene is retinotoxic and systemic absorption of its vapors above 15ppm, may result in:, cataracts, optic neuritis, corneal injury, Eye irritation, Ingestion may provoke the following symptoms:, hemolytic anemia, hemoglobinuria, Nausea, Headache, Vomiting, Gastrointestinal disturbance, Convulsions, anemia, Kidney injury may occur., Seizures., Coma.

Synergistic effects:

no data available

Additional Information:

RTECS: QJ0525000

1,2,4-Trimethylbenzene cas#:(95-63-6) [0-2%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 5,000 mg/kg

Inhalation LC50 LC50 Inhalation - rat - 4 h - 18,000 mg/m³

Dermal LD50 no data available

Other information on acute toxicity

Skin corrosion/irritation:

no data available

Serious eye damage/eye irritation:

no data available

Respiratory or skin sensitisation:

no data available

Germ cell mutagenicity:

Genotoxicity in vitro - in vitro assay - S. typhimurium - with and without metabolic activation – negative

Genotoxicity in vivo - rat - male and female - Intraperitoneal - negative

Carcinogenicity:

no data available

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.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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.

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.

Reproductive toxicity:

no data available

Teratogenicity:

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):

May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard:

no data available

Potential health effects:

Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure:

prolonged or repeated exposure can cause:, narcosis, Bronchitis., Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects:

no data available

Additional Information:

RTECS: DC3325000

12.ECOLOGICAL INFORMATION

2-Propanol, 1,1',1",1'''-(1,2-ethanediyldinitrilo)tetrakis- cas#:(102-60-3) [20-40%]

Information on ecological effects

Toxicity:

no data available

Persistence and degradability:

no data available

Bioaccumulative potential:

no data available

Mobility in soil:

no data available

PBT and vPvB assessment:

no data available

Other adverse effects:

no data available

Naphthalene cas#:(91-20-3) [0-7%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 0.9 - 9.8 mg/l - 96.0 h.

LC50 - Pimephales promelas (fathead minnow) - 1 - 6.5 mg/l - 96.0 h

NOEC - other fish - 1.8 mg/l - 3.0 d

LOEC - other fish - 3.2 mg/l - 3.0 d

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 1.00 - 3.40 mg/l - 48 h.
and other aquatic invertebrates

Toxicity to algae EC50 - No information available. - 33.00 mg/l - 24 h.

Persistence and degradability:

Biodegradability Result: - According to the results of tests of biodegradability this product is not readily biodegradable.

no data available

Bioaccumulative potential:

Bioaccumulation Fish - Bioconcentration factor (BCF): 427 - 1,158

Mobility in soil:

no data available

PBT and vPvB assessment:

no data available

Other adverse effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

1,2,4-Trimethylbenzene cas#:(95-63-6) [0-2%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 7.72 mg/l - 96.0 h.

Toxicity to daphnia Immobilization EC50 - Daphnia magna (Water flea) - 3.6 mg/l - 48 h.
and other aquatic invertebrates

Persistence and degradability:

no data available

Bioaccumulative potential:

no data available

Mobility in soil:

no data available

PBT and vPvB assessment:

no data available

Other adverse effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Disposal: Any disposal practice must be in compliance with all federal, state and local laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material. Do not allow material to enter sewers, a body of water, or contact the ground. Refer to RCRA 40 CFR 261, and/or any other appropriate federal, state or local requirements for proper classification information.

14. TRANSPORTATION INFORMATION

Land Transport:

USDOT Classified as combustible liquid in containers greater than 119 gallons.

Sea Transport:

IMDG Not classified as a dangerous good under transport regulations.

Air Transport:

IATA/ICAO Not classified as a dangerous good under transport regulations.

Further Information

DOT: This product is regulated if the amount in a single receptacle exceeds the Reportable Quantity (RQ). Please refer to Section 15 of this SDS for the RQ for this product.

15. REGULATORY INFORMATION

Component (CAS#) [%] - CODES

2-Propanol, 1,1',1",1'''-(1,2-ethanediylidinitrilo)tetrakis- (102-60-3) [20-40%] TSCA

Solvent Naphtha (Petroleum) (64742-94-5) [50-70%] TSCA

RQ(100LBS), Naphthalene (91-20-3) [0-7%] CERCLA, CSWHS, EPCRAWPC, HAP, IARC, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

Regulatory CODE Descriptions

RQ = Reportable Quantity
TSCA = Toxic Substances Control Act
CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
EPCRAWPC = EPCRA Water Priority Chemicals
HAP = Hazardous Air Pollutants
IARC = IARC Carcinogen Risks

MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHA WAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PRIPOL = Clean Water Act Priority Pollutants
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICPOL = Clean Water Act Toxic Pollutants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List

16. OTHER INFORMATION

NFPA Hazard codes:

Health 2 Fire 2 Reactivity 1 Specific None

HMIS III rating

Health 2 Fire 2 Physical Hazard 1

HMIS PPE:

Consult your supervisor for special instructions

SDS Prepared by: Technical Services

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE

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