

# SAFETY DATA SHEET

## 1. Identification

Product identifier Slow Activator

Product code 813

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

Company name PBE Jobbers Warehouse  
Address 2921 Syene Rd  
Madison, WI 53713

Telephone 608-274-8797

Emergency phone number EMERGENCY 24 Hrs. 800-424-9300 ChemTrec

Physical hazards	Flammable liquids	Acute toxicity, oral	Acute toxicity, inhalation	Category 3	
Health hazards	Serious eye damage/eye irritation	Sensitization, respiratory	Sensitization, skin	Category 3	3
			Germ cell mutagenicity	Category 2B	
			Carcinogenicity	Category 1	
			Specific target organ toxicity, single exposure	Category 1	
				Category 1B 1B	
				Category 3 narcotic effects	
			Not classified.	Category	
			Not classified.	Category	

#### Environmental hazards

#### OSHA defined hazards

## 2. Hazard(s) identification

Signal word

Hazard statement

Label elements



Precautionary statement

Prevention

Danger

Flammable liquid and vapor. Harmful if swallowed. May cause an allergic skin reaction. Causes eye irritation. Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Avoid breathing mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.

<b>Response</b>	If swallowed: Call a poison center/doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If experiencing respiratory symptoms: Call a poison center/doctor. Wash contaminated clothing before reuse. In case of fire: Use appropriate media to extinguish.
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place.
<b>Disposal</b>	Keep cool. Store locked up.
<b>Hazard(s) not otherwise classified (HNOC)</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Supplemental information</b>	None known.
	60.34% of the mixture consists of component(s) of unknown acute oral toxicity. 29.74% of the mixture consists of component(s) of unknown acute inhalation toxicity.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Hexamethylene Diisocyanate		28182-81-2	20 - < 40
Methyl n-Amyl Ketone		110-43-0	20 - < 40
Solvent Naphtha, petroleum, light aromatic		64742-95-6	5 - < 15
1, 6-Hexamethylene Diisocyanate Regulatory		822-06-0	0 < 5
Ethylbenzene		100-41-4	0 < 5
Isophorone Diisocyanate Regulatory		4098-71-9	0 < 5
N-Butyl Acetate		123-86-4	0 - < 5
Trimethyl Benzene		95-63-6	0 - < 5
Other components below reportable levels			20 - < 30

#### 4. First aid measures

Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

##### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician.

##### Skin contact

##### Eye contact

Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

##### Ingestion

##### Most important symptoms/effects, acute and delayed

##### Indication of immediate medical attention and special treatment needed

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Difficulty in breathing. May cause an allergic skin reaction. Dermatitis. Rash.

##### General information

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

**Suitable extinguishing media** Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).

Water. Do not use water jet as an extinguisher, as this will spread the fire.

**Unsuitable extinguishing media**

**Specific hazards arising from chemical** Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions**

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials.

**Specific methods**

Flammable liquid and vapor.

**General fire hazards**

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors and spray mists. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage**

**Precautions for safe handling** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid inhalation of vapors and spray mists. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

**8. Exposure controls/personal protection**

**Occupational exposure limits**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3
Methyl n-Amyl Ketone (CAS 110-43-0)	PEL	100 ppm 465 mg/m3
N-Butyl Acetate (CAS 123-86-4)	PEL	100 ppm 710 mg/m3
		150 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value
1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)	TWA	0.005 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Isophorone Diisocyanate Regulatory (CAS 4098-71-9)	TWA	0.005 ppm
Methyl n-Amyl Ketone (CAS 110-43-0)	TWA	50 ppm
N-Butyl Acetate (CAS 123-86-4)	STEL	200 ppm
	TWA	150 ppm
Trimethyl Benzene (CAS 95-63-6)	TWA	25 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)	Ceiling	0.14 mg/m <sup>3</sup>
	TWA	0.02 ppm 0.035 mg/m <sup>3</sup>
Ethylbenzene (CAS 100-41-4)	STEL	0.005 ppm 545 mg/m <sup>3</sup>
	TWA	125 ppm 435 mg/m <sup>3</sup>
Isophorone Diisocyanate Regulatory (CAS 4098-71-9)	STEL	100 ppm 0.18 mg/m <sup>3</sup>
	TWA	0.02 ppm 0.045 mg/m <sup>3</sup>
Methyl n-Amyl Ketone (CAS 110-43-0)	TWA	0.005 ppm 465 mg/m <sup>3</sup>
N-Butyl Acetate (CAS 123-86-4)	STEL	100 ppm 950 mg/m <sup>3</sup>
	TWA	200 ppm 710 mg/m <sup>3</sup>
Trimethyl Benzene (CAS 95-63-6)	TWA	150 ppm 125 mg/m <sup>3</sup>
		25 ppm

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant Specimen Sampling Time
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**US - Tennessee OELs: Skin designation**

Isophorone Diisocyanate Regulatory (CAS 4098-71-9) Can be absorbed through the skin.

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**

Isophorone Diisocyanate Regulatory (CAS 4098-71-9) Can be absorbed through the skin.

**Appropriate engineering controls**

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Chemical respirator with organic vapor cartridge and full facepiece.

<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
<b>Other</b>	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
<b>Respiratory protection</b>	Chemical respirator with organic vapor cartridge and full facepiece.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Colorless.
<b>Odor</b>	Solvent.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	-31.9 °F (-35.5 °C) estimated
<b>Initial boiling point and boiling range</b>	304.7 °F (151.5 °C) estimated
<b>Flash point</b>	102.0 °F (38.9 °C) estimated
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	1.1% estimated
<b>Flammability limit - upper (%)</b>	7.9 % estimated
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	5.15 hPa estimated
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	740 °F (393.33 °C) estimated
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.

<b>Other information</b>	0.83 g/cm <sup>3</sup> estimated
<b>Density</b>	Combustible II
<b>Flammability class</b>	estimated
<b>Percent volatile</b>	46.55 w/w % By Weight 51.6 v/v % By
<b>Specific gravity</b>	Volume 0.83 estimated
<b>VOC (Weight %)</b>	3.75 lb/gal (Regulatory VOC - Less Water Less Exempts) 3.75 lb/gal (Actual VOC - With Water With Exempts) 449.18 g/L (Regulatory VOC - Less Water Less Exempts) 449.18 g/L (Actual VOC - With Water

## 10. Stability and reactivity

<b>Reactivity Chemical stability</b>	With Exempts) The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Possibility of hazardous reactions</b>	Material is stable under normal conditions. Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong acids.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Toxic if inhaled. May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Eye contact</b>	Causes eye irritation.
<b>Ingestion</b>	Harmful if swallowed.
<b>Skin contact</b>	May cause an allergic skin reaction.

**Symptoms related to the physical, chemical and toxicological characteristics** cause an allergic skin reaction. Dermatitis. Rash. Headache. May cause drowsiness and dizziness. Nausea, vomiting. Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Difficulty in breathing.

### Information on toxicological effects

**Acute toxicity** Toxic if inhaled. Harmful if swallowed. Narcotic effects. May cause an allergic skin reaction.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	593 mg/kg
<b>Inhalation</b>		
LC50	Mouse	0.03 mg/l, 2 Hours
	Rat	40 mg/l, 1 Hours 22 mg/l, 4 Hours 0.385 mg/l, 6 Hours
<b>Oral</b>		
LD50	Cat	1100 mg/kg 1980 mg/kg
	Mouse	960 mg/kg
	Rat	

Ethylbenzene (CAS 100-41-4)

<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	17800 mg/kg

Components	Species	Test Results
<b>Oral</b> LD50	Rat	3500 mg/kg
Isophorone Diisocyanate Regulatory (CAS 4098-71-9)		
<b>Acute</b>		
<b>Dermal</b> LD50	Rat	1060 mg/kg
<b>Inhalation</b> LC50	Rat	0.123 mg/l, 4 Hours 0.033 mg/l
<b>Oral</b> LD50	Mouse	> 2500 mg/kg
	Rat	> 1000 mg/kg
Methyl n-Amyl Ketone (CAS 110-43-0)		
<b>Acute</b>		
<b>Dermal</b> LD50	Rabbit	12600 mg/kg
<b>Oral</b> LD50	Mouse	730 mg/kg
	Rat	1.67 g/kg
N-Butyl Acetate (CAS 123-86-4)		
<b>Acute</b>		
<b>Inhalation</b> LC50	Wistar rat	160 mg/l, 4 Hours
<b>Oral</b> LD50	Rat	14000 mg/kg
Trimethyl Benzene (CAS 95-63-6)		
<b>Acute</b>		
<b>Dermal</b> LD50	Rabbit	>3160 mg/kg
<b>Inhalation</b> LC50	Rat	> 2000 ppm, 48 Hours
<b>Oral</b> LD50	Rat	6 g/kg

Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation. Causes eye irritation.

**Serious eye damage/eye irritation**

**Respiratory or skin sensitization** irritation. Causes eye irritation.

**Respiratory sensitization Skin sensitization Germ cell mutagenicity Carcinogenicity** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

May cause genetic defects.

May cause cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**  
Ethylbenzene (CAS 100-41-4) 2B Possibly carcinogenic to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**  
Not listed.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** - May cause drowsiness and dizziness.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### Components

Ethylbenzene (CAS 100-41-4)

#### Aquatic

Crustacea EC50 Water flea (*Daphnia magna*) 1.37 - 4.4 mg/l, 48 hours

Fish LC50 Fathead minnow (*Pimephales promelas*) 7.5-11 mg/l, 96 hours

Methyl n-Amyl Ketone (CAS 110-43-0)

#### Aquatic

Fish LC50 Fathead minnow (*Pimephales promelas*) 126 - 137 mg/l, 96 hours

N-Butyl Acetate (CAS 123-86-4)

#### Aquatic

Fish LC50 Fathead minnow (*Pimephales promelas*) 17 - 19 mg/l, 96 hours

Trimethyl Benzene (CAS 95-63-6)

#### Aquatic

Fish LC50 Fathead minnow (*Pimephales promelas*) 7.19 - 8.28 mg/l, 96 hours

### Species

### Test Results

\* Estimates for product may be based on additional component data not shown. **Persistence and degradability** No data is available on the degradability of this product.

## Bioaccumulative potential

### Partition coefficient

**n-octanoi / water**

3.15

**(log Kow)**

1.98

Ethylbenzene Methyl

1.78

n-Amyl Ketone N-

Butyl Acetate

## Mobility in soil

No data available.

## Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

### Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

### Local disposal regulations

Dispose in accordance with all applicable regulations.

### Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

### Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

### Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

The following transportation information is provided based on the manufacturer's interpretation of shipping regulations. Each shipper is responsible for identifying, naming, marking, and labeling prior to offering for transport.

### DOT

**UN number** UN1263

**UN proper shipping name** Paint related material including paint thinning, drying, removing, or reducing compound

**Transport hazard class(es)**

**Class** 3

**Subsidiary risk Label(s)** 3

<b>Packing group</b>	II
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	149, B52, IB2, T4, TP1, TP8, TP28
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	173
<b>Packaging bulk</b>	242

#### IATA

<b>UN number</b>	UN1263
<b>UN proper shipping name</b>	Paint related material (including paint thinning or reducing compounds)
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	II
<b>Environmental hazards</b>	No.
<b>ERG Code</b>	3L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed.
<b>Cargo aircraft only</b>	Allowed.

#### IMDG

<b>UN number</b>	UN1263
<b>UN proper shipping name</b>	PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	II
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No.
<b>EmS</b>	F-E, S-E
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

#### DOT



#### IATA; IMDG



## 15. Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0) Listed.

Ethylbenzene (CAS 100-41-4) Listed.

N-Butyl Acetate (CAS 123-86-4) Listed.

### SARA 304 Emergency release notification

Isophorone Diisocyanate Regulatory (CAS 4098-71-9) 500 LBS

### SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper
Isophorone	4098-71-9	500	500 lbs		

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard -

No Reactivity Hazard - No

Diisocyanate

Regulatory

### SARA 311/312 Hazardous No

chemical

#### SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
1, 6-Hexamethylene Diisocyanate Regulatory	822-06-0	0 < 5
Ethylbenzene	100-41-4	0 < 5
Isophorone Diisocyanate Regulatory	4098-71-9	0 < 5
Trimethyl Benzene	95-63-6	0 - < 5

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)

Ethylbenzene (CAS 100-41-4)

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated.

(SDWA)

### US state regulations

#### US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

#### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.

(a))

1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)

Ethylbenzene (CAS 100-41-4)

Isophorone Diisocyanate Regulatory (CAS 4098-71-9)

Solvent Naphtha, petroleum, light aromatic (CAS 64742-95-6)

Trimethyl Benzene (CAS 95-63-6)

#### US. Massachusetts RTK - Substance List

1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)

Ethylbenzene (CAS 100-41-4)

Isophorone Diisocyanate Regulatory (CAS 4098-71-9)

Methyl n-Amyl Ketone (CAS 110-43-0)

N-Butyl Acetate (CAS 123-86-4)  
Trimethyl Benzene (CAS 95-63-6)

**US. New Jersey Worker and Community Right-to-Know Act 1,**

6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)  
Ethylbenzene (CAS 100-41-4)  
Isophorone Diisocyanate Regulatory (CAS 4098-71-9)  
Methyl n-Amyl Ketone (CAS 110-43-0)  
N-Butyl Acetate (CAS 123-86-4)  
Trimethyl Benzene (CAS 95-63-6)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Ethylbenzene (CAS 100-41-4)  
Isophorone Diisocyanate Regulatory (CAS 4098-71-9)  
Methyl n-Amyl Ketone (CAS 110-43-0)  
N-Butyl Acetate (CAS 123-86-4)  
Trimethyl Benzene (CAS 95-63-6)

**US. Rhode Island RTK**

1,6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)  
Ethylbenzene (CAS 100-41-4)  
Isophorone Diisocyanate Regulatory (CAS 4098-71-9)  
N-Butyl Acetate (CAS 123-86-4)  
Trimethyl Benzene (CAS 95-63-6)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Ethylbenzene (CAS 100-41-4) Listed: June 11, 2004

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

**Disclaimer**

Our Company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

Ethylbenzene (CAS 100-41-4) 0.15 g/g Sum of Creatinine in mandelic acid urine and phenylglyoxylic acid \*\*

\* - For sampling details, please see the source document.

**Exposure guidelines**

**US - California OELs: Skin designation**

Isophorone Diisocyanate Regulatory (CAS 4098-71-9) Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

Isophorone Diisocyanate Regulatory (CAS 4098-71-9) Skin designation applies.