

SAFETY DATA SHEET

1. Identification

Product identifier Fast Activator

Product code 811

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 Category 2

Health hazards

Acute toxicity, oral Category 4

Acute toxicity, inhalation Category 3

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2B

Sensitization, respiratory Category 1

Sensitization, skin Category 1

Germ cell mutagenicity Category 1B 1B

Carcinogenicity Category 3 narcotic effects

Specific target organ toxicity, single exposure Category

Environmental hazards

Not classified.

OSHA defined hazards

Not classified.

2. Hazard(s) identification

Label elements



Danger

Signal word

Hazard statement

Highly flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. 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.

Precautionary statement**Prevention**

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.

Response

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. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

Storage

Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)
 Hazard(s) not otherwise classified (HNOC)
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Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

Supplemental information

60.26% of the mixture consists of component(s) of unknown acute oral toxicity. 54.05% 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
Isobutyl Acetate		110-19-0	10 - < 30
Methyl Isobutyl Ketone		108-10-1	5 - < 15
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
Trimetyl Benzene		95-63-6	0 - < 5

Other components below reportable levels

20 - < 30

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

4. First-aid measures**Skin contact**

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.

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. Wash contaminated clothing before reuse.

Ingestion

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.

Most important symptoms/effects, acute and delayed

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.

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

Indication of immediate medical attention and special treatment needed

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.

General information

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. Carbon dioxide (CO₂). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media

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

Specific hazards arising from the chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures.

This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. 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.

Specific methods

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

General fire hazards

Highly flammable liquid and vapor.

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. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. 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. Use appropriate containment to avoid environmental contamination.

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. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. 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.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

Conditions for safe storage, Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge **including any incompatibilities** build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. 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/m ³
Isobutyl Acetate (CAS 110-19-0)	PEL	100 ppm
		700 mg/m ³
Methyl Isobutyl Ketone (CAS 108-10-1)	PEL	150 ppm
		410 mg/m ³
N-Butyl Acetate (CAS 123-86-4)	PEL	100 ppm
		710 mg/m ³
		150 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
	TWA	0.005 ppm
1,6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)		
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Isobutyl Acetate (CAS 110-19-0)	TWA	150 ppm
Isophorone Diisocyanate Regulatory (CAS 4098-71-9)	TWA	0.005 ppm
Methyl Isobutyl Ketone (CAS 108-10-1)	STEL	75 ppm
	TWA	20 ppm
N-Butyl Acetate (CAS 123-86-4)	STEL	200 ppm
	TWA	150 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
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 ³
	TWA	0.02 ppm 0.035 mg/m ³
Ethylbenzene (CAS 100-41-4)	STEL	0.005 ppm 545 mg/m ³
	TWA	125 ppm 435 mg/m ³
Isobutyl Acetate (CAS 110-19-0)	TWA	100 ppm 700 mg/m ³
Isophorone Diisocyanate Regulatory (CAS 4098-71-9)	STEL	150 ppm 0.18 mg/m ³
	TWA	0.02 ppm 0.045 mg/m ³
Methyl Isobutyl Ketone (CAS 108-10-1)	STEL	0.005 ppm 300 mg/m ³
	TWA	75 ppm 205 mg/m ³ 50 ppm
N-Butyl Acetate (CAS 123-86-4)	STEL	950 mg/m ³
	TWA	200 ppm 710 mg/m ³
Trimethyl Benzene (CAS 95-63-6)	TWA	150 ppm 125 mg/m ³
		25 ppm

Biological limit values

ACGIH Biological Exposure Indices

Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine
Methyl Isobutyl Ketone (CAS 108-10-1)	1 mg/l	Methyl isobutyl ketone	

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

Components	Value	Determinant	Specimen	Sampling Time
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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

Urine

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

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. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection	Chemical respirator with organic vapor cartridge and full facepiece
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations 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	
Physical state	Liquid.
Form	Liquid.
Color	Colorless.
Odor	Solvent.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	-145.84 °F (-98.8 °C) estimated
Initial boiling point and boiling range	241.7 °F (116.5 °C) estimated
Flash point	64.0 °F (17.8 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	2.4% estimated
Flammability limit - upper (%)	12% estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	24.45 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	793.4 °F (423 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	0.86 g/cm ³ estimated
Flammability class	Flammable IB estimated

Percent volatile

46.48 w/w % By Weight 50.74 v/v % By Volume

Specific gravity 0.86 estimated

VOC (Weight %)

3.81 lb/gal (Actual VOC - With Water With Exempts)

3.81 lb/gal (Regulatory VOC - Less Water Less Exempts) 456.03

g/L (Actual VOC - With Water With Exempts) 456.03 g/L

(Regulatory VOC - Less Water Less Exempts)

10. Stability and reactivity

Reactivity Chemical

The product is stable and non-reactive under normal conditions of use, storage and transport. Material

stability

is stable under normal conditions.

Possibility of hazardous reactions

Hazardous polymerization does not occur.

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials

Strong oxidizing agents. Nitrates.

Hazardous decomposition products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation

Toxic if inhaled. May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin contact

Causes skin irritation. May cause an allergic skin reaction.

Eye contact

Causes eye irritation.

Ingestion

Harmful if swallowed.

Symptoms related to the

Headache. May cause drowsiness and dizziness. Nausea, vomiting. Irritation of eyes. Exposed

physical, chemical and

individuals may experience eye tearing, redness, and discomfort. Difficulty in breathing. Skin

toxicological characteristics

irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity

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

Components

Species

Test Results

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

Acute

Dermal

LD50

Inhalation

LC50

Mouse
Rat

t
mg/kg

Rabbi
593

0.03 mg/l, 2 Hours 40 mg/l, 1 Hours 22 mg/l,
4 Hours 0.385 mg/l, 6 Hours

Oral

LD50

Cat
Mouse
Rat

1100 mg/kg

1980 mg/kg

960 mg/kg

Ethylbenzene (CAS 100-41-4)

Acute

Dermal

LD50

Rabbit

17800 mg/kg 3500 mg/kg

Oral

LD50

Rat

Components	Species	Test Results
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Isobutyl Acetate (CAS 110-19-0)

Acute

Oral

LD50 Rabbit 4.8 g/kg

Isophorone Diisocyanate Regulatory (CAS 4098-71-9)

Acute

Dermal

LD50 Rat 1060 mg/kg

Inhalation

LC50 Rat 0.123 mg/l, 4 Hours
0.033 mg/l

Oral

LD50 Mouse > 2500 mg/kg
Rat > 1000 mg/kg

Methyl Isobutyl Ketone (CAS 108-10-1)

Acute

Dermal

LD50 Rabbit > 16000 mg/kg

Inhalation

LC50 Rat 8.2 mg/l, 4 Hours

Oral

LD50 Rat 2080 mg/kg

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

Acute

Inhalation

LC50 Wistar rat 160 mg/l, 4 Hours

Oral

LD50 Rat 14000 mg/kg

Trimethyl Benzene (CAS 95-63-6)

Acute

Dermal

LD50 Rabbit >3160 mg/kg

Inhalation

LC50 Rat > 2000 ppm, 48 Hours

Oral

LD50 Rat 6 g/kg

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

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye

Causes eye irritation.

irritation

Respiratory or skin sensitization

Respiratory sensitization

Skin sensitization

Germ cell mutagenicity

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Carcinogenicity

May cause genetic defects.

May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Ethylbenzene (CAS 100-41-4)

2B Possibly carcinogenic to humans.

Methyl Isobutyl Ketone (CAS 108-10-1)

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 Chronic effects	Not an aspiration hazard. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

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	Species	Test Results
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 Isobutyl Ketone (CAS 108-10-1)		
Aquatic		
Fish	LC50	Fathead minnow (Pimephales promelas) 492 - 593 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

* 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-octanol / water (log Kow)

Ethylbenzene	3.15
Isobutyl Acetate	1.78
Methyl Isobutyl Ketone	1.31
N-Butyl Acetate	1.78

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

IATA

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

IMDG

UN number	UN1263
UN proper shipping name	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)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	No.
EmS	F-E, S-E
Special precautions for user	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





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)

Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
Isophorone	4098-71-9	500	500 lbs		
1, 6-Hexamethylene Diisocyanate Regulatory (CAS 822-06-0)			Listed.		
Ethylbenzene (CAS 100-41-4)			Listed.		
Isobutyl Acetate (CAS 110-19-0)			Listed.		
Methyl Isobutyl Ketone (CAS 108-10-1)			Listed.		
N-Butyl Acetate (CAS 123-86-4)			Listed.		

SARA 304 Emergency release notification

Isophorone Diisocyanate Regulatory (CAS 4098-71-9) 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

SARA 302 Extremely hazardous substance

Diisocyanate

Regulatory

SARA 311/312 Hazardous No chemical

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Methyl Isobutyl Ketone	108-10-1	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
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)

Methyl Isobutyl Ketone (CAS 108-10-1)

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

Not regulated.

Safe Drinking Water Act Not regulated. (SDWA)

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Methyl Isobutyl Ketone (CAS 108-10-1) 6715

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Methyl Isobutyl Ketone (CAS 108-10-1) 35 %WV

DEA Exempt Chemical Mixtures Code Number

Methyl Isobutyl Ketone (CAS 108-10-1) 6715

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)

Methyl Isobutyl Ketone (CAS 108-10-1)

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)

Isobutyl Acetate (CAS 110-19-0)

Isophorone Diisocyanate Regulatory (CAS 4098-71-9)

Methyl Isobutyl Ketone (CAS 108-10-1)

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)

Isobutyl Acetate (CAS 110-19-0)

Isophorone Diisocyanate Regulatory (CAS 4098-71-9)

Methyl Isobutyl Ketone (CAS 108-10-1)

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)

Isobutyl Acetate (CAS 110-19-0)

Isophorone Diisocyanate Regulatory (CAS 4098-71-9)

Methyl Isobutyl Ketone (CAS 108-10-1)

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)

Isobutyl Acetate (CAS 110-19-0)

Isophorone Diisocyanate Regulatory (CAS 4098-71-9)

Methyl Isobutyl Ketone (CAS 108-10-1)

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 and birth defects or other reproductive harm.

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

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

Methyl Isobutyl Ketone (CAS 108-10-1) Listed: November 4, 2011

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Methyl Isobutyl Ketone (CAS 108-10-1) Listed: March 28, 2014

International Inventories**Country(s) or region**

Australia

Inventory name

Australian Inventory of Chemical Substances (AICS)

On inventory (yes/no)*

No

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
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)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*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.