

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : 560 Urethane Reducer - Fast Dry 60 Degree
 Product code : 560

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Sunnyside Corp
 225 Carpenter Ave
 Wheeling, IL 60090 - USA
 T 800-323-8611 - F 847-541-9043
orders@sunnysidecorp.com - www.sunnysidecorp.com

1.4. Emergency telephone number

Country	Organization/Company	Address	Emergency number	Comment
United States	Chemtrec		1-800-424-9300	

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Flammable liquids Category 2	Highly flammable liquid and vapor
Acute toxicity (inhalation:vapour) Category 4	Harmful if inhaled
Skin corrosion/irritation Category 2	Causes skin irritation
Serious eye damage/eye irritation Category 2	Causes serious eye irritation
Carcinogenicity Category 2	Suspected of causing cancer
Specific target organ toxicity (single exposure) Category 3	May cause respiratory irritation
Specific target organ toxicity (single exposure) Category 3	May cause drowsiness or dizziness
Specific target organ toxicity (repeated exposure) Category 2	May cause damage to organs through prolonged or repeated exposure
Aspiration hazard Category 1	May be fatal if swallowed and enters airways
Hazardous to the aquatic environment - Acute Hazard Category 3	Harmful to aquatic life

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

Highly flammable liquid and vapor
 May be fatal if swallowed and enters airways
 Causes skin irritation
 Causes serious eye irritation
 Harmful if inhaled
 May cause respiratory irritation
 May cause drowsiness or dizziness
 Suspected of causing cancer
 May cause damage to organs through prolonged or repeated exposure
 Harmful to aquatic life

Precautionary statements (GHS-US) :

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

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Do not breathe dust/fume/gas/mist/vapors/spray
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash hands, forearms and face thoroughly after handling
Use only outdoors or in a well-ventilated area
Avoid release to the environment
Wear protective gloves/protective clothing/eye protection/face protection
If swallowed: Immediately call a poison center/doctor/...
If on skin: Wash with plenty of water/...
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
If exposed or concerned: Get medical advice/attention
Call a poison center/doctor/... if you feel unwell
Get medical advice/attention if you feel unwell
Specific treatment (see ... on this label)
Do NOT induce vomiting
If skin irritation occurs: Get medical advice/attention
If eye irritation persists: Get medical advice/attention
Take off contaminated clothing and wash it before reuse
In case of fire: Use media other than water to extinguish
Store in a well-ventilated place. Keep container tightly closed
Store in a well-ventilated place. Keep cool
Store locked up
Dispose of contents/container to ...

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
acetone	(CAS No) 67-64-1	25 - 45	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 Aquatic Acute 3, H402
Toluene	(CAS No) 108-88-3	25 - 45	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
methyl isobutyl ketone	(CAS No) 108-10-1	10 - 25	Flam. Liq. 2, H225 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation), H331 Acute Tox. 4 (Inhalation:vapour), H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335
Xylol (alle Isomeren);Ксилен (смес от изомери), чист;Xylen technická sm s isomer a (všechny isomery);Ksúleen (dimetilülbenseen);Ksyleeni;XILOL(ok);Ksilen (svi izomeri);Xylene, mixed isomers;Ksilenas;Xylène, isomères mixtes, purs;Ksilols (o-, m-, p-ksilols, dimetilbenzols);Xylene, mixed isomers, pure;Xyleen, o-, m-, p-isomeren;Xylen (alle isomere);Ksysten mieszanina izomerów: 1,2-; 1,3-; 1,4-;Xileno (isómeros);Xilen (izomeri);Xylen;ksilen (mešane izomere);Xylene;Xylenes (o-, m-, p-isomers);Диметилбензол;Xílenos, mezcla isómeros;Xileno;Ksilen;Xylene, mixed isomers, pure;二甲苯(全部异构体) # Xylene(all isomers);Xilene, isomeri misti, puro;Xylène, isomères mixtes, purs # Xyleen, mengsel van isomeren, zuiver;Xilena (Dimetilbenzena) (isomer o-, m-, p) # Xylene (Dimethylbenzene) (o-, m-, p-isomers);Xylén, zmiešané izoméry;Xylen (Dimethylbenzen), alle isomere	(CAS No) 1330-20-7	10 - 25	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315

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Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung edema.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Fire hazard	: Highly flammable liquid and vapor.
Reactivity	: Highly flammable liquid and vapor.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

acetone (67-64-1)		
ACGIH	Local name	Acetone
ACGIH	ACGIH TWA (ppm)	500 ppm (Acetone; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	ACGIH STEL (ppm)	750 ppm (Acetone; USA; Short time value; TLV - Adopted Value)
ACGIH	Remark (ACGIH)	eye irr; CNS impair; BEI
OSHA	OSHA PEL (TWA) (mg/m ³)	2400 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
Toluene (108-88-3)		
ACGIH	Local name	Toluene
ACGIH	ACGIH TWA (ppm)	20 ppm (Toluene; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	Remark (ACGIH)	Visual impair; female repro; pregnancy loss; A4; BEI
OSHA	OSHA PEL (TWA) (ppm)	200 ppm 8 hours
OSHA	Remark (OSHA)	(2) See Table Z-2.
Xylol (alle isomeren);Ксилен (смес от изомери), чист;Xylen technická sm s isomer a (všetchny isomery);Ksüleen (dimetüülbenseen);Ksyleeni;XILOL(ok);Ksilen (svi izomeri);Xylene, mixed isomers;Ksilenas;Xylène, isomères mixtes, purs;Ksilols (o-,m-,p-ksilols, dimetilbenzols);Xylene,mixed isomers,pure;Xylen, o-, m-, p-isomeren;Xylen (alle isomere);Ksylen mieszanina izomerów: 1,2-; 1,3-; 1,4-;Xileno (isómeros);Xilen (izomeri);Xylen;ksilen (mešane izomere);Xylene;Xylenes (o-, m-, p-isomers);Диметилбензол;Xilenos, mezcla isómeros;Xileno;Ksilen;Xylene, mixed isomers, pure;二甲苯(全部异构体) # Xylene(all isomers);Xilene, isomeri misti, puro;Xylène, isomères mixtes, purs # Xylen, mengsel van isomeren, zuiver;Xilena (Dimetilbenzena) (isomer o-, m-, p) # Xylene (Dimethylbenzene) (o-, m-, p-isomers);Xylén, zmiešané izoméry;Xylen (Dimethylbenzen), alle isomere (1330-20-7)		
ACGIH	Local name	Xylene
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (ppm)	150 ppm
ACGIH	Remark (ACGIH)	URT & eye irr; CNS impair
OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
methyl isobutyl ketone (108-10-1)		
ACGIH	Local name	Methyl isobutyl ketone
ACGIH	ACGIH TWA (ppm)	20 ppm (Methyl isobutyl ketone; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	ACGIH STEL (ppm)	75 ppm (Methyl isobutyl ketone; USA; Short time value; TLV - Adopted Value)

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methyl isobutyl ketone (108-10-1)		
ACGIH	Remark (ACGIH)	URT irr; dizziness; headache
OSHA	OSHA PEL (TWA) (mg/m ³)	410 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear respiratory protection

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Mixture contains one or more component(s) which have the following colour(s): Colourless Colourless to light yellow
Odor	: There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour(s): Aromatic odour Sweet odour Fruity odour Pleasant odour Camphor odour
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: < 20 mm ² /s
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Inhalation:vapour: Harmful if inhaled.

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ATE US (vapors)	13.2 mg/l/4h
acetone (67-64-1)	
LD50 oral rat	5800 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	20000 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; >7426 mg/kg bodyweight; Rabbit; Weight of evidence)
LC50 inhalation rat (mg/l)	71 mg/l/4h (Rat; Experimental value; 76 mg/l/4h; Rat; Experimental value)
LC50 inhalation rat (ppm)	30000 ppm/4h (Rat; Experimental value)
ATE US (oral)	5800 mg/kg body weight
ATE US (dermal)	20000 mg/kg body weight
ATE US (gases)	30000 ppmV/4h
ATE US (vapors)	71 mg/l/4h
ATE US (dust, mist)	71 mg/l/4h
Toluene (108-88-3)	
LD50 oral rat	> 2000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 5580 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	12223 mg/kg (Rabbit; Literature study; Other; >5000 mg/kg bodyweight; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	> 20 mg/l/4h (Rat; Literature study)
ATE US (dermal)	12223 mg/kg body weight
Xylol (alle isomeren);Ксилен (смес от изомери, чист;Xylen technická sm s isomer a (všechny isomery);Ksüleen (dimetüülbenseen);Ksyleeni;XILOL(ок);Ksilen (svi izomeri);Xylene, mixed isomers;Ksilenas;Xylène, isomères mixtes, purs;Ksilols (o-,m-,p-ksilols, dimetilbenzols);Xylene,mixed isomers,pure;Xyleen, o-, m-, p-isomeren;Xylen (alle isomere);Ksylen mieszanina izomerów: 1,2-; 1,3-; 1,4-;Xileno (isómeros);Xilen (izomeri);Xylen;ksilen (mešane izomere);Xylene;Xylenes (o-, m-, p-isomers);Диметилбензол;Xilenos, mezcla isómeros;Xileno;Ksilen;Xylene, mixed isomers, pure;二甲苯(全部异构体) # Xylene(all isomers);Xilene, isomeri misti, puro;Xylène, isomères mixtes, purs # Xyleen, mengsel van isomeren, zuiver;Xilena (Dimetilbenzena) (isomer o-, m-, p) # Xylene (Dimethylbenzene) (o-, m-, p-isomers);Xylén, zmiešané izoméry;Xylen (Dimethylbenzen), alle isomere (1330-20-7)	
LD50 oral rat	3523 - 8600 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; 3523 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value; >4000 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rabbit	> 4200 mg/kg body weight (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	29 mg/l/4h (Rat; Experimental value; 27.57 mg/l/4h; Rat; Experimental value)
ATE US (oral)	3523 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

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methyl isobutyl ketone (108-10-1)	
LD50 oral rat	2080 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rat	>= 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
LD50 dermal rabbit	> 16000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	8.2- 16.4,Rat; Experimental value
LC50 inhalation rat (ppm)	2000 - 4000 ppm/4h (Rat; Experimental value)
ATE US (oral)	2080 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	2000 ppmV/4h
ATE US (vapors)	3 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.

Toluene (108-88-3)	
IARC group	3 - Not classifiable
Xylol (alle isomeren);Ксилен (смес от изомери), чист;Xylen technická sm s isomer a (všechny isomery);Ksüleen (dimetüülbenseen);Ksyleeni;XILOL(ok);Ksilen (svi izomeri);Xylene, mixed isomers;Ksilenas;Xylène, isomères mixtes, purs;Ksilols (o-,m-,p-ksilols, dimetilbenzols);Xylene,mixed isomers,pure;Xyleen, o-, m-, p-isomeren;Xylen (alle isomere);Ksylen mieszanina izomerów: 1,2-; 1,3-; 1,4-;Xileno (isómeros);Xilen (izomeri);Xylen;ksilen (mešane izomere);Xylene;Xylenes (o-, m-, p-isomers);Диметилбензол;Xilenos, mezcla isómeros;Xileno;Ksilen;Xylene, mixed isomers, pure;二甲苯(全部异构体) # Xylene(all isomers);Xilene, isomeri misti, puro;Xylène, isomères mixtes, purs # Xyleen, mengsel van isomeren, zuiver;Xilena (Dimetilbenzena) (isomer o-, m-, p) # Xylene (Dimethylbenzene) (o-, m-, p-isomers);Xylén, zmiešané izoméry;Xylen (Dimethylbenzen), alle isomere (1330-20-7)	
IARC group	3 - Not classifiable

methyl isobutyl ketone (108-10-1)	
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: May cause respiratory irritation. May cause drowsiness or dizziness.
Specific target organ toxicity – repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung edema.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life.

acetone (67-64-1)	
LC50 fish 2	5540 mg/l (LC50; EU Method C.1; 96 h; Salmo gairdneri; Static system; Fresh water; Experimental value)
EC50 Daphnia 2	12600 mg/l (LC50; Other; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)

12.2. Persistence and degradability

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acetone (67-64-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	1.43 g O ₂ /g substance
Chemical oxygen demand (COD)	1.92 g O ₂ /g substance
ThOD	2.2 g O ₂ /g substance
BOD (% of ThOD)	0.872 (20 days; Literature study)

Toluene (108-88-3)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	2.15 g O ₂ /g substance
Chemical oxygen demand (COD)	2.52 g O ₂ /g substance
ThOD	3.13 g O ₂ /g substance
BOD (% of ThOD)	0.69

Xylol (alle isomeren);Ксилен (смес от изомери), чист;Xylen technická sm s isomer a (všechny isomery);Ksüleen (dimetüülbenseen);Ksyleeni;XILOL(ok);Ksilen (svi izomeri);Xylene, mixed isomers;Ksilenas;Xylène, isomères mixtes, purs;Ksilols (o-, m-, p-ksilols, dimetilbenzols);Xylene,mixed isomers,pure;Xyleen, o-, m-, p-isomeren;Xylen (alle isomere);Ksylen mieszanina izomerów: 1,2-, 1,3-, 1,4-;Xileno (isómeros);Xilen (izomeri);Xylen;ksilen (mešane izomere);Xylene;Xylenes (o-, m-, p-isomers);Диметилбензол;Xilenos, mezcla isómeros;Xileno;Ksilen;Xylene, mixed isomers, pure;二甲苯(全部异构体) # Xylene(all isomers);Xilene, isomeri misti, puro;Xylène, isomères mixtes, purs # Xyleen, mengsel van isomeren, zuiver;Xilena (Dimetilbenzena) (isomer o-, m-, p) # Xylene (Dimethylbenzene) (o-, m-, p-isomers);Xylén, zmiešané izoméry;Xylen (Dimethylbenzen), alle isomere (1330-20-7)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. Photolysis in the air.

methyl isobutyl ketone (108-10-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Low potential for adsorption in soil. Photolysis in the air.
Biochemical oxygen demand (BOD)	2.06 g O ₂ /g substance
Chemical oxygen demand (COD)	2.16 g O ₂ /g substance
ThOD	2.72 g O ₂ /g substance
BOD (% of ThOD)	0.76

12.3. Bioaccumulative potential

acetone (67-64-1)	
BCF fish 1	0.69 (BCF)
BCF other aquatic organisms 1	3 (BCF; BCFWIN)
Log Pow	-0.24 (Test data)
Bioaccumulative potential	Not bioaccumulative.

Toluene (108-88-3)	
BCF fish 2	90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water)
Log Pow	2.73 (Experimental value; Other; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

Xylol (alle isomeren);Ксилен (смес от изомери), чист;Xylen technická sm s isomer a (všechny isomery);Ksüleen (dimetüülbenseen);Ksyleeni;XILOL(ok);Ksilen (svi izomeri);Xylene, mixed isomers;Ksilenas;Xylène, isomères mixtes, purs;Ksilols (o-, m-, p-ksilols, dimetilbenzols);Xylene,mixed isomers,pure;Xyleen, o-, m-, p-isomeren;Xylen (alle isomere);Ksylen mieszanina izomerów: 1,2-, 1,3-, 1,4-;Xileno (isómeros);Xilen (izomeri);Xylen;ksilen (mešane izomere);Xylene;Xylenes (o-, m-, p-isomers);Диметилбензол;Xilenos, mezcla isómeros;Xileno;Ksilen;Xylene, mixed isomers, pure;二甲苯(全部异构体) # Xylene(all isomers);Xilene, isomeri misti, puro;Xylène, isomères mixtes, purs # Xyleen, mengsel van isomeren, zuiver;Xilena (Dimetilbenzena) (isomer o-, m-, p) # Xylene (Dimethylbenzene) (o-, m-, p-isomers);Xylén, zmiešané izoméry;Xylen (Dimethylbenzen), alle isomere (1330-20-7)	
BCF fish 2	7 - 26 (BCF; 8 weeks; Oncorhynchus mykiss; Flow-through system; Fresh water)
Log Pow	3.2 (Conclusion by analogy; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

methyl isobutyl ketone (108-10-1)	
BCF fish 1	2 - 5 (BCF)

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methyl isobutyl ketone (108-10-1)	
Log Pow	1.9 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

acetone (67-64-1)	
Surface tension	0.0237 N/m

Toluene (108-88-3)	
Surface tension	0.03 N/m (20 °C)

Xylol (alle Isomeren);Ксилен (смес от изомери), чист;Xylen technická sm s isomer a (všechny isomery);Ksüleen (dimetüülbenseen);Ksyleeni;XILOL(ok);Ksilen (svi izomeri);Xylene, mixed isomers;Ksilenas;Xylène, isomères mixtes, purs;Ksilols (o-, m-, p-ksilols, dimetilbenzols);Xylene, mixed isomers, pure;Xyleen, o-, m-, p-isomeren;Xylen (alle isomere);Ksylen mieszanina izomerów: 1,2-; 1,3-; 1,4-;Xileno (isómeros);Xilen (izomeri);Xylen;ksilen (mešane izomere);Xylene;Xylenes (o-, m-, p-isomers);Диметилбензол;Xilenos, mezcla isómeros;Xileno;Ksilen;Xylene, mixed isomers, pure;二甲苯(全部异构体) # Xylene(all isomers);Xilene, isomeri misti, puro;Xylène, isomères mixtes, purs # Xyleen, mengsel van isomeren, zuiver;Xilena (Dimetilbenzena) (isomer o-, m-, p) # Xylene (Dimethylbenzene) (o-, m-, p-isomers);Xylén, zmiešané izoméry;Xylen (Dimethylbenzen), alle isomere (1330-20-7)

Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
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methyl isobutyl ketone (108-10-1)	
Surface tension	0.024 N/m (20 °C)
Log Koc	Koc, 101.85; Weight of evidence; Calculated value; log Koc; 2.008; Weight of evidence; Calculated value

12.5. Other adverse effects

Effect on the global warming : No known effects from this product.
GWPmix comment : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1993 Flammable liquids, n.o.s. (Acetone, Toluene), 3, II
UN-No.(DOT) : UN1993
Proper Shipping Name (DOT) : Flammable liquids, n.o.s.
Acetone, Toluene
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT) : II - Medium Danger
Hazard labels (DOT) : 3 - Flammable liquid



DOT Packaging Non Bulk (49 CFR 173.xxx) : 202
DOT Packaging Bulk (49 CFR 173.xxx) : 242
DOT Symbols : G - Identifies PSN requiring a technical name

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DOT Special Provisions (49 CFR 172.102)	: IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31H21). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F). TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
Emergency Response Guide (ERG) Number	: 128
Other information	: No supplementary information available.

TDG

Not applicable

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

acetone (67-64-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Not subject to reporting requirements of the United States SARA Section 313

CERCLA RQ	5000 lb
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Toluene (108-88-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	1000 lb
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Xylol (alle isomeren);Ксилен (смес от изомери), чист;Xylen technická sm s isomer a (všechny isomery);Ksüleen (dimetüülbenseen);Ksyleeni;XILOL(ok);Ksilen (svi izomeri);Xylene, mixed isomers;Ksilenas;Xylène, isomères mixtes, purs;Ksilols (o-,m-,p-ksilols, dimetilbenzols);Xylene,mixed isomers,pure;Xyleen, o-, m-, p-isomeren;Xylen (alle isomere);Ksülen mieszanina izomerów: 1,2-; 1,3-; 1,4-;Xileno (isómeros);Xilen (izomeri);Xylen;ksilen (mešane izomere);Xylene;Xylenes (o-, m-, p-isomers);Диметилбензол;Xilenos, mezcla isómeros;Xileno;Ksilén;Xylene, mixed isomers, pure;二甲苯(全部异构体) # Xylene(all isomers);Xilene, isomeri misti, puro;Xylène, isomères mixtes, purs # Xyleen, mengsel van isomeren, zuiver;Xilena (Dimetilbenzena) (isomer o-, m-, p) # Xylene (Dimethylbenzene) (o-, m-, p-isomers);Xylén, zmiešané izoméry;Xylen (Dimethylbenzen), alle isomere **(1330-20-7)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	100 lb
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methyl isobutyl ketone (108-10-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	5000 lb

15.2. International regulations

CANADA

acetone (67-64-1)
Listed on the Canadian DSL (Domestic Substances List)
Toluene (108-88-3)
Listed on the Canadian DSL (Domestic Substances List)
Xylol (alle isomeren);Ксилен (смес от изомери) , чист;Xylen technická sm s isomer a (všechny isomery);Ksüleen (dimetüülbenseen);Ksyleeni;XILOL(ok);Ksilen (svi izomeri);Xylene, mixed isomers;Ksilenas;Xylène, isomères mixtes, purs;Ksilols (o-,m-,p-ksilols, dimetilbenzols);Xylene,mixed isomers,pure;Xyleen, o-, m-, p-isomeren;Xylen (alle isomere);Ksylen mieszanina izomerów: 1,2-; 1,3-; 1,4-;Xileno (isómeros);Xilen (izomeri);Xylen;ksilen (mešane izomere);Xylene;Xylenes (o-, m-, p-isomers);Диметилбензол;Xilenos, mezcla isómeros;Xileno;Ksilén;Xylene, mixed isomers, pure;二甲苯(全部异构体) # Xylene(all isomers);Xilene, isomeri misti, puro;Xylène, isomères mixtes, purs # Xyleen, mengsel van isomeren, zuiver;Xilena (Dimetilbenzena) (isomer o-, m-, p) # Xylene (Dimethylbenzene) (o-, m-, p-isomers);Xylén, zmiešané izoméry;Xylen (Dimethylbenzen), alle isomere (1330-20-7)
Listed on the Canadian DSL (Domestic Substances List)
methyl isobutyl ketone (108-10-1)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Toluene (108-88-3)
Listed on EPA Hazardous Air Pollutant (HAPS)
Xylol (alle isomeren);Ксилен (смес от изомери) , чист;Xylen technická sm s isomer a (všechny isomery);Ksüleen (dimetüülbenseen);Ksyleeni;XILOL(ok);Ksilén (svi izomeri);Xylene, mixed isomers;Ksilenas;Xylène, isomères mixtes, purs;Ksilols (o-,m-,p-ksilols, dimetilbenzols);Xylene,mixed isomers,pure;Xyleen, o-, m-, p-isomeren;Xylen (alle isomere);Ksylen mieszanina izomerów: 1,2-; 1,3-; 1,4-;Xileno (isómeros);Xilen (izomeri);Xylen;ksilen (mešane izomere);Xylene;Xylenes (o-, m-, p-isomers);Диметилбензол;Xilenos, mezcla isómeros;Xileno;Ksilén;Xylene, mixed isomers, pure;二甲苯(全部异构体) # Xylene(all isomers);Xilene, isomeri misti, puro;Xylène, isomères mixtes, purs # Xyleen, mengsel van isomeren, zuiver;Xilena (Dimetilbenzena) (isomer o-, m-, p) # Xylene (Dimethylbenzene) (o-, m-, p-isomers);Xylén, zmiešané izoméry;Xylen (Dimethylbenzen), alle isomere (1330-20-7)
Listed on EPA Hazardous Air Pollutant (HAPS)
methyl isobutyl ketone (108-10-1)
Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

560 Urethane Reducer - Fast Dry 60 Degree					
U.S. - California - Proposition 65 - Carcinogens List		Yes			
U.S. - California - Proposition 65 - Developmental Toxicity		No			
U.S. - California - Proposition 65 - Reproductive Toxicity - Female		No			
U.S. - California - Proposition 65 - Reproductive Toxicity - Male		No			
Toluene (108-88-3)					
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
No	Yes	No	No		

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methyl isobutyl ketone (108-10-1)					
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	Yes	No	No		
acetone (67-64-1)					
U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances U.S. - Pennsylvania - RTK (Right to Know) List					
Toluene (108-88-3)					
U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances U.S. - Pennsylvania - RTK (Right to Know) List					
Xylol (alle isomeren);Ксилен (смес от изомери), чист;Xylen technická sm s isomer a (všechny isomery);Ksüleen (dimetüülbenseen);Ksyleeni;XILOL(ok);Ksilen (svi izomeri);Xylene, mixed isomers;Ksilenas;Xylène, isomères mixtes, purs;Ksilols (o-,m-,p-ksilols, dimetilbenzols);Xylene,mixed isomers,pure;Xyleen, o-, m-, p-isomeren;Xylen (alle isomere);Ksülen mieszanina izomerów: 1,2-; 1,3-; 1,4-;Xileno (isómeros);Xilen (izomeri);Xylen;ksilen (mešane izomere);Xylene;Xylenes (o-, m-, p-isomers);Диметилбензол;Xilenos, mezcla isómeros;Xileno;Ksilén;Xylene, mixed isomers, pure;二甲苯(全部异构体) # Xylene(all isomers);Xilene, isomeri misti, puro;Xylène, isomères mixtes, purs # Xyleen, mengsel van isomeren, zuiver;Xilena (Dimetilbenzena) (isomer o-, m-, p) # Xylene (Dimethylbenzene) (o-, m-, p-isomers);Xylén, zmiešané izoméry;Xylen (Dimethylbenzen), alle isomere (1330-20-7)					
U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances U.S. - Pennsylvania - RTK (Right to Know) List					
methyl isobutyl ketone (108-10-1)					
U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances U.S. - Pennsylvania - RTK (Right to Know) List					

SECTION 16: Other information

Revision date : 03/20/2017

Full text of H-phrases:

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
H402	Harmful to aquatic life

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product