TERMUL® 5393

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/21/2015	400001015347	Date of first issue: 10/21/2015

SECTION 1. IDENTIFICATION

Product name : TERMUL® 5393

Manufacturer or supplier's details

Company name of supplier : Huntsman International LLC
Address : P.O. Box 4980
The Woodlands,
TX 77387
United States of America
Telephone : TechInfo: (281) 719-7780

E-mail address of person responsible for the SDS : MSDS@huntsman.com

Emergency telephone : Chemtrec: (800) 424-9300 or (703) 527-3887

Recommended use of the chemical and restrictions on use

Recommended use : Agrochemical

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin irritation : Category 2

Serious eye damage : Category 1

Acute aquatic toxicity : Category 3

Chronic aquatic toxicity : Category 3

GHS Label element

Hazard pictograms :

Signal Word : Danger

Hazard Statements : H315 Causes skin irritation.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear eye protection/ face protection.
P280 Wear protective gloves.
Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

Chemical Name	CAS-No.	Concentration (%)
Benzenesulfonic acid, mono-C10-16-alkyl derivs., compds. with ethanolamine	68910-32-7	13 - 30
Oxirane, 2-methyl-, polymer with oxirane, mono(nonylphenyl) ether, branched	68891-11-2	13 - 30
Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts	90194-26-6	13 - 30
1-Hexanol, 2-ethyl-	104-76-7	7 - 13
sulphuric acid	7664-93-9	0.1 - 1

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this material safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.

In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed	:	Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	:	None known.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	No hazardous combustion products are known
Specific extinguishing methods	:	No data is available on the product itself.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Evacuate personnel to safe areas. Ensure adequate ventilation. In case of inadequate ventilation wear respiratory protection.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapors/dust.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Hazardous components without workplace control parameters

Ingredients	CAS-No.
Benzenesulfonic acid, mono-C10-16-alkyl derivs., compds. with ethanolamine	68910-32-7
Oxirane, 2-methyl-, polymer with oxirane, mono(nonylphenyl) ether, branched	68891-11-2
Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts	90194-26-6
1-Hexanol, 2-ethyl-	104-76-7
sulphuric acid	7664-93-9

Personal protective equipment

Respiratory protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand protection
Remarks : Impervious gloves
The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the

danger of cuts, abrasion, and the contact time.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles.
Wear face-shield and protective suit for abnormal processing problems.
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	amber
Odor	:	mild
Odor Threshold	:	No data is available on the product itself.
pH	:	5 - 8
Melting point	:	4.4 °C
Flash point	:	100 °C Method: Pensky-Martens closed cup, closed cup
Evaporation rate	:	No data is available on the product itself.
Flammability (solid, gas)	:	No data is available on the product itself.
Upper explosion limit	:	No data is available on the product itself.
Lower explosion limit	:	No data is available on the product itself.
Vapor pressure	:	2.82596 hPa (40 °C)
Relative vapor density	:	No data is available on the product itself.
Relative density	:	1.06 (25 °C)
Density	:	No data is available on the product itself.
Solubility(ies)		
Water solubility	:	partly soluble

Solubility in other solvents	:	No data is available on the product itself.
Partition coefficient: n-octanol/water	:	No data is available on the product itself.
Autoignition temperature	:	No data is available on the product itself.
Thermal decomposition	:	No data is available on the product itself.
Viscosity		
Viscosity, kinematic	:	883 mm2/s (25 °C)
Self-Accelerating decomposition temperature (SADT)	:	No data is available on the product itself.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	No data available
Hazardous decomposition products	:	Carbon dioxide (CO2) Carbon monoxide Nitrogen oxides (NOx) Sulfur oxides Metal oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : No data is available on the product itself.

Acute toxicity

Acute oral toxicity - Product : Acute toxicity estimate : > 5,000 mg/kg
Method: Calculation method

Acute inhalation toxicity - Product : Acute toxicity estimate: > 10 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:
Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402

1-Hexanol, 2-ethyl-:
Acute dermal toxicity : LD50 (Rat, male and female): > 3,000 mg/kg
Method: OECD Test Guideline 402
GLP: no

Acute toxicity (other routes of administration) : No data available

Skin corrosion/irritation

Product:

Remarks: Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation

Product:

Remarks: May cause irreversible eye damage.

Respiratory or skin sensitization

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:
Routes of exposure: Skin
Species: Guinea pig
Method: OECD Test Guideline 406
Result: Does not cause skin sensitization.

1-Hexanol, 2-ethyl-:
Routes of exposure: Skin
Species: Humans
Result: Does not cause skin sensitization.

sulphuric acid:
Routes of exposure: Skin
Species: Not Assigned
Result: Does not cause skin sensitization.

Routes of exposure: Respiratory Tract
Species: Not Assigned
Result: Does not cause skin sensitization.

Assessment: No data available

Germ cell mutagenicity

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:
Genotoxicity in vitro : Concentration: 8 - 5000 ug/plate
Metabolic activation: with and without metabolic activation
Method: Directive 67/548/EEC, Annex V, B.13/14.
Result: negative

Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative

1-Hexanol, 2-ethyl-:
Genotoxicity in vitro : Concentration: .018 - .24 µg/L

Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: no

Concentration: 1 - 1000 ug/plate
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Concentration: 50 - 500 µg/L
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative
GLP: yes

sulphuric acid**:**
Genotoxicity in vitro : Concentration: 12500 ug/plate
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: positive

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts**:**
Genotoxicity in vivo : Application Route: Oral
Exposure time: 72 h
Dose: 1122 mg/kg
Method: OECD Test Guideline 474
Result: negative

Carcinogenicity

Ingredients:

1-Hexanol, 2-ethyl-**:**
Species: Rat, (male and female)
Application Route: Oral
Exposure time: 24 month(s)
Dose: 500 mg/kg
Frequency of Treatment: 5 daily
Method: OECD Test Guideline 453
Result: negative
Target Organs: Gastro-intestinal system

Target Organs: Brain

Target Organs: Liver

Target Organs: Kidney

Target Organs: Testes

Carcinogenicity - Assessment : No data available

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

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

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:
Effects on fertility : Species: Rat, male and female
Application Route: Oral

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:
Effects on fetal development : Species: Rat, female
Application Route: Oral
General Toxicity Maternal: NOAEL (No observed adverse effect level): 300 mg/kg body weight
Result: No teratogenic effects.

Species: Rat, female
Application Route: Oral
General Toxicity Maternal: NOAEL (No observed adverse effect level): 2 mg/kg body weight
Result: No teratogenic effects.

1-Hexanol, 2-ethyl-:

Species: Rat, female
Application Route: Oral
General Toxicity Maternal: NOAEL (No observed adverse effect level): 130 mg/kg body weight
Method: OECD Test Guideline 414
Result: No teratogenic effects.

sulphuric acid:

Species: Mouse
Application Route: Inhalation
General Toxicity Maternal: NOAEL (No observed adverse effect level): 5.7 mg/m³
Method: OECD Test Guideline 414
Result: No teratogenic effects.

Reproductive toxicity - Assessment : No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Repeated dose toxicity

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:
Species: Rat, male and female
NOAEL (No observed adverse effect level): 125 mg/kg/d
Application Route: Ingestion
Exposure time: 672 h
Number of exposures: 7 d
Method: Subacute toxicity

Species: Rat, male and female
NOAEL (No observed adverse effect level): 85 mg/kg/d
Application Route: Ingestion
Exposure time: 6,480 h
Number of exposures: 7 d
Method: Subchronic toxicity

1-Hexanol, 2-ethyl-:
Species: Rat, male and female
Test atmosphere: vapor
Exposure time: 2,160 h
Number of exposures: 5 d
Method: OECD Test Guideline 413
Remarks: see user defined free text

Species: Rat
No-observed-effect level: 125 mg/kg
Application Route: Ingestion
Exposure time: 13 Weeks
Number of exposures: 5 d
Method: Subchronic toxicity

sulphuric acid:
Species: Rat, male
NOEC: 150 ppm
Application Route: Skin contact
Test atmosphere: dust/mist
Exposure time: 2,160 h
Number of exposures: 7 d

Repeated dose toxicity - Assessment : No data available

Aspiration toxicity
No data available

Experience with human exposure
General Information: No data available

Inhalation: No data available

Skin contact: No data available

Eye contact: No data available

Ingestion: No data available

Toxicology, Metabolism, Distribution
No data available

Neurological effects
No data available

Further information

Product:
Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:
Toxicity to fish : LC50: > 1 - < 10 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203

1-Hexanol, 2-ethyl-:
Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 17.1 mg/l
Exposure time: 96 h
Test Type: flow-through test
Test substance: Fresh water
Method: Directive 67/548/EEC, Annex V, C.1.
GLP: yes

sulphuric acid:
Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 16 - 28 mg/l
Exposure time: 96 h
Test Type: static test

Test substance: Fresh water
Method: Determination of the Acute Lethal Toxicity of Substances to a Freshwater Fish [Brachydanio rerio Hamilton-Buchanan (Teleostei, C

LC100: 6.25 mg/l
Exposure time: 24 h
Method: No information available.

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2.9 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

1-Hexanol, 2-ethyl-:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 39 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: Fresh water
Method: Directive 67/548/EEC, Annex V, C.2.
GLP: yes

sulphuric acid:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 202

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:

Toxicity to algae : EC50 (Selenastrum capricornutum (green algae)): 29 mg/l
Exposure time: 96 h
Test Type: static test

1-Hexanol, 2-ethyl-:

Toxicity to algae : ErC50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): 11.5 mg/l
Exposure time: 72 h
Test Type: static test
Test substance: Fresh water
Method: Directive 67/548/EEC, Annex V, C.3.
GLP: yes

IC50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): 11.5 mg/l
Exposure time: 72 h
Test Type: static test
Test substance: Fresh water
Method: Directive 67/548/EEC, Annex V, C.3.
GLP: yes

M-Factor (Acute aquatic : No data available

toxicity)

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:

Toxicity to fish (Chronic toxicity)	:	NOEC (Oncorhynchus mykiss (rainbow trout)): 0.23 mg/l Exposure time: 72 d Test Type: flow-through test

sulphuric acid:

Toxicity to fish (Chronic toxicity)	:	NOEC: 0.025 mg/l Exposure time: 65 d Test Type: flow-through test Test substance: Fresh water GLP: no

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC (Daphnia magna (Water flea)): 1.18 mg/l Exposure time: 21 d Test Type: flow-through test Test substance: Fresh water

sulphuric acid:

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 0.15 mg/l Test Type: static test Test substance: Fresh water

M-Factor (Chronic aquatic toxicity)	:	No data available

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:

Toxicity to bacteria	:	EC50 (activated sludge): 550 mg/l Exposure time: 3 h Method: OECD Test Guideline 209

Toxicity to soil dwelling organisms	:	No data available

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:

Plant toxicity	:	EC50: 142 mg/kg Exposure time: 336 h Test substance: Synthetic Method: Terrestrial Plants Test: Seedling Emergence and Seedling Growth Test

Sediment toxicity	:	No data available

Toxicity to terrestrial organisms	:	No data available

Ecotoxicology Assessment
Acute aquatic toxicity : No data available

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:
Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Toxicity Data on Soil : No data available

Other organisms relevant to the environment : No data available

Further information:
No data available

Persistence and degradability

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:
Biodegradability : Inoculum: activated sludge
Result: Readily biodegradable.
Exposure time: 28 d
Method: OECD Test Guideline 301B

Inoculum: Soil
Concentration: .2 - 20
Result: Readily biodegradable.
Biodegradation: 70 - 99 %
Exposure time: 122 d

1-Hexanol, 2-ethyl-:
Biodegradability : Concentration: 100 mg/l
Result: Readily biodegradable.
Biodegradation: 79 - 99 %
Exposure time: 14 d
Method: OECD Test Guideline 301C

sulphuric acid:
Biodegradability : Biodegradation: 0 %

Ingredients:

sulphuric acid:
Biochemical Oxygen Demand (BOD) : 0 mgO2/g

Ingredients:

sulphuric acid:
Chemical Oxygen Demand (COD) : 0 mgO2/g
BOD/COD : No data available

ThOD : No data available

BOD/ThOD : No data available

Dissolved organic carbon (DOC)	:	No data available
Physico-chemical removability	:	No data available
Stability in water	:	No data available
Photodegradation	:	No data available
Impact on Sewage Treatment	:	No data available

Bioaccumulative potential

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:

Bioaccumulation	:	Species: Pimephales promelas (fathead minnow) Bioconcentration factor (BCF): 2 - 1,000 Exposure time: 8 d Test substance: Fresh water Method: flow-through test Remarks: Bioaccumulation is unlikely.

1-Hexanol, 2-ethyl-:

Bioaccumulation	:	Bioconcentration factor (BCF): 25.33 GLP: no Remarks: Bioaccumulation is unlikely.

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:

Partition coefficient: n-octanol/water	:	log Pow: 2.89 (20 °C) Method: Partition coefficient

1-Hexanol, 2-ethyl-:

Partition coefficient: n-octanol/water	:	log Pow: 2.9 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: no

Mobility in soil

Mobility	:	No data available

Ingredients:

Benzenesulphonic acid, 4-C10-14-alkyl derivs., calcium salts:

Distribution among environmental compartments	:	Method: OECD Test Guideline 121 Remarks: see user defined free text

1-Hexanol, 2-ethyl-:

Distribution among environmental compartments	:	Koc: 26.01.
Stability in soil	:	No data available

Other adverse effects

Environmental fate and pathways	:	No data available
Results of PBT and vPvB assessment	:	No data available
Endocrine disrupting potential	:	No data available
Adsorbed organic bound halogens (AOX)	:	No data available

Hazardous to the ozone layer

Ozone-Depletion Potential	:	Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological information - Product	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.
Global warming potential (GWP)	:	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulation

IATA
Not regulated as a dangerous good

IMDG
Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

DOT Classification
Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

TSCA - 5(a) Significant New Use Rule List of Chemicals : Not relevant

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Ingredients	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
SULPHURIC ACID (NON-MIST)	7664-93-9	1000	*
SULPHURIC ACID (NON-MIST)	7664-93-9	100	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : Acute Health Hazard

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act
This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

California Prop 65 WARNING! This product contains a chemical known in the State of California to cause cancer.

2,2'-iminodiethanol	111-42-2
ethylene oxide	75-21-8
methyloxirane	75-56-9

WARNING: This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

ethylene oxide	75-21-8

The ingredients of this product are reported in the following inventories:

TSCA	:	On TSCA Inventory
DSL	:	All components of this product are on the Canadian DSL.
AICS	:	On the inventory, or in compliance with the inventory
NZIoC	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory

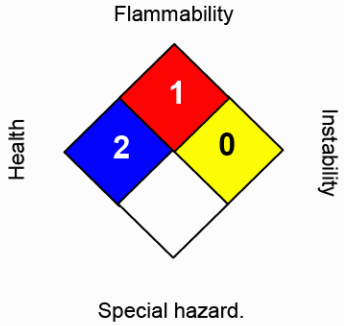
Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,

2 = Moderate, 3 = High

4 = Extreme, * = Chronic

Revision Date : 10/21/2015

While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

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Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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