

ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

1.0 07/29/2015 400001020108 Date of first issue: 07/29/2015

SECTION 1. IDENTIFICATION

Product name : ETHYLENE GLYCOL INDUSTRIAL

Distributed by:
SUPERIOR

1402 N. Capitol Ave., Ste. 100
Indianapolis, IN 46202
(317) 781-4400
www.superioroil.com

Manufacturer or supplier's details

Company name of supplier

: Huntsman International LLC

Address

Telephone

P.O. Box 4980 The Woodlands, TX 77387

United States of America : 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 : Component of a Polyurethane System.

Gas treating

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) : Category 4

Eye irritation : Category 2B

Specific target organ systemic toxicity - single

exposure (Oral)

: Category 2 (Kidney, Liver)

Specific target organ

systemic toxicity - repeated

exposure (Oral)

: Category 2 (Kidney, Central nervous system)

GHS Label element

Hazard pictograms





Signal Word : Warning

Hazard Statements : H302 Harmful if swallowed.

H320 Causes eye irritation.

H371 May cause damage to organs (Kidney, Liver) if swallowed. H373 May cause damage to organs (Kidney, Central nervous system) through prolonged or repeated exposure if swallowed.



ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

1.0 07/29/2015 400001020108 Date of first issue: 07/29/2015

Precautionary Statements : Prevention:

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. 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.

P309 IF exposed or if you feel unwell: P313 Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/

attention. Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste

disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Hazardous ingredients

| Chemical Name | CAS-No. | Concentration (%) | |
|-----------------|----------|-------------------|--|
| Ethylene glycol | 107-21-1 | >= 60 - <= 100 | |
| Ethylene glycol | 107-21-1 | 95 - 100 | |

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.

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 eye contact : Immediately flush eye(s) with plenty of water.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Induce vomiting immediately and call a physician.

Keep respiratory tract clear.



ETHYLENE GLYCOL INDUSTRIAL

Version 1.0 Revision Date: 07/29/2015

SDS Number: 400001020108

Date of last issue: -

Date of first issue: 07/29/2015

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 : No data is available on the product itself.

Unsuitable extinguishing

media

: High volume water jet

Specific hazards during fire

fighting

: No data is available on the product itself.

Hazardous combustion

products

: No hazardous combustion products are known

Specific extinguishing

methods

: No data is available on the product itself.

Further information : Standard procedure for chemical fires.

Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

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.

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.



ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

1.0 07/29/2015 400001020108 Date of first issue: 07/29/2015

Advice on safe handling : Do not breathe vapors/dust.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

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.

Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

Materials to avoid : Strong acids

Keep away from oxidizing agents.

Strong bases

Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

| Ingredients | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|-----------------|----------|-------------------------------------|--|---------|
| Ethylene glycol | 107-21-1 | C (Aerosol only) | 100 mg/m3 | ACGIH |
| | | С | 50 ppm 125 mg/m3 | OSHA P0 |

Personal protective equipment

Respiratory protection : Wear a full face respirator conforming to EN 136 with type

A/P2 filter or better

Respiratory protection : No personal respiratory protective equipment normally

required.

Respiratory protection : In the case of vapor formation use a respirator with an

approved filter.

Hand protection

Material PVC

Neoprene Nitrile rubber

Break through time : > 8 h

Remarks : The suitability for a specific workplace should be discussed

with the producers of the protective gloves.



ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

1.0 07/29/2015 400001020108 Date of first issue: 07/29/2015

Eye protection : Safety glasses with side-shields

Eye wash bottle with pure water Tightly fitting safety goggles.

Skin and body protection : Wear suitable coveralls to prevent exposure to the skin.

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 : colorless

Odor : sweet

Odor Threshold : No data is available on the product itself.

pH : 6.5

Melting point : -13 °C

Freezing point -12.7 °C

: 197.4 °C

Flash point : 111.1 °C

Method: Pensky-Martens closed cup, closed cup

Evaporation rate : < 1

Flammability (solid, gas) : No data is available on the product itself.

Upper explosion limit : 15.3 %(V)

Lower explosion limit : 3.2 %(V)

Vapor pressure : < 0.1333 hPa (20 °C)

0.1 hPa

0.12 hPa

Relative vapor density : 2.2

2.1



ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

1.0 07/29/2015 400001020108 Date of first issue: 07/29/2015

Relative density : 1.1

Density : 1.113 g/cm3

Method: DIN 51757

Solubility(ies)

Water solubility : 1,000 g/l completely miscible (20 °C)

Solubility in other solvents : Solvent: Methanol

Description: soluble

Partition coefficient: n-

octanol/water

: log Pow: -1.36

Autoignition temperature : 398 °C

Decomposition temperature : > 500 °C

Viscosity

Viscosity, dynamic : 21 mPa.s (20 °C)

Method: DIN Method, other

16.1 mPa.s

Viscosity, kinematic : 18.7 mm2/s (20 °C)

Oxidizing properties : None.

Self-Accelerating

decomposition temperature

(SADT)

Molecular weight : 62.07 g/mol

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under normal conditions.

No decomposition if stored and applied as directed.

Possibility of hazardous

reactions

: Incompatible with oxidizing agents. Stable under normal conditions.

: No data is available on the product itself.

No decomposition if stored and applied as directed.

Conditions to avoid : Exposure to moisture.

No data available

Hazardous decomposition

products

: Carbon monoxide

Carbon dioxide (CO2)

Aldehydes



ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

07/29/2015 400001020108 1.0 Date of first issue: 07/29/2015

Ketones

SECTION 11. TOXICOLOGICAL INFORMATION

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

exposure

Acute toxicity

Acute oral toxicity - Product : Acute toxicity estimate : 1,616 mg/kg

Method: Calculation method

Acute inhalation toxicity : No data available

Acute dermal toxicity -

Product

: LD50 (Rabbit): 9,530 mg/kg

Acute toxicity (other routes of : No data available

administration)

Skin corrosion/irritation

Product:

Remarks: May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation

Product:

Remarks: Vapors may cause irritation to the eyes, respiratory system and the skin.

Respiratory or skin sensitization

Ingredients:

Ethylene glycol:

Routes of exposure: Skin Species: Guinea pig

Result: Does not cause skin sensitization.

Ethylene glycol:

Routes of exposure: Skin Species: Guinea pig

Result: Does not cause skin sensitization.

No data available Assessment:

Germ cell mutagenicity

Ingredients:

Ethylene glycol:

Genotoxicity in vitro : Metabolic activation: with and without metabolic activation

Result: negative

Metabolic activation: with and without metabolic activation



ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

1.0 07/29/2015 400001020108 Date of first issue: 07/29/2015

Result: negative

Metabolic activation: with and without metabolic activation

Result: negative

Ethylene glycol:

Genotoxicity in vitro : Metabolic activation: with and without metabolic activation

Result: negative

Metabolic activation: with and without metabolic activation

Result: negative

Metabolic activation: with and without metabolic activation

Result: negative

Ingredients:

Ethylene glycol:

Genotoxicity in vivo : Cell type: Germ

Application Route: Oral Dose: 1000 mg/kg Result: negative

Application Route: Oral

Result: negative

Ethylene glycol:

Genotoxicity in vivo : Cell type: Germ

Application Route: Oral Dose: 1000 mg/kg Result: negative

Application Route: Oral

Result: negative

Carcinogenicity

Ingredients:

Ethylene glycol:

Species: Rat, (male and female)

Application Route: Oral Exposure time: 24 month(s)

Dose: 1000 mg/kg

Frequency of Treatment: 7 daily

Result: negative

Species: Mouse, (male and female)

Application Route: Oral Exposure time: 103 weeks

Dose: 1500 mg/kg Result: negative

Ethylene glycol:

Species: Rat, (male and female)

Application Route: Oral Exposure time: 24 month(s)



ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

1.0 07/29/2015 400001020108 Date of first issue: 07/29/2015

Dose: 1000 mg/kg

Frequency of Treatment: 7 daily

Result: negative

Species: Mouse, (male and female)

Application Route: Oral Exposure time: 103 weeks

Dose: 1500 mg/kg Result: negative

Carcinogenicity - : No data available

Assessment

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.

ACGIH No ingredient of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential

carcinogen by ACGIH.

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

Effects on fertility : No data available

Ingredients:

Ethylene glycol:

Effects on fetal development : Species: Rabbit, male and female

Application Route: Oral Result: No teratogenic effects.

Ethylene glycol:

Species: Rabbit, male and female

Application Route: Oral Result: No teratogenic effects.

Reproductive toxicity -

Assessment

: No data available

STOT-single exposure

Ingredients:

Ethylene glycol:

Routes of exposure: Ingestion Target Organs: Kidney, Liver

Assessment: The substance or mixture is classified as specific target organ toxicant, single

exposure, category 2.



ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

1.0 07/29/2015 400001020108 Date of first issue: 07/29/2015

Ethylene glycol:

Routes of exposure: Ingestion Target Organs: Kidney, Liver

Assessment: The substance or mixture is classified as specific target organ toxicant, single

exposure, category 2.

STOT-repeated exposure

Ingredients:

Ethylene glycol:

Routes of exposure: Ingestion

Target Organs: Kidney, Central nervous system

Assessment: The substance or mixture is classified as specific target organ toxicant, repeated

exposure, category 2.

Ethylene glycol:

Routes of exposure: Ingestion

Target Organs: Kidney, Central nervous system

Assessment: The substance or mixture is classified as specific target organ toxicant, repeated

exposure, category 2.

Repeated dose toxicity

Ingredients:

Ethylene glycol:

Species: Rat, male and female

NOAEL (No observed adverse effect level): 200 mg/kg/d

Application Route: Ingestion Exposure time: 17,280 h Method: Chronic toxicity

Species: Rat, male

NOAEL (No observed adverse effect level): 150 mg/kg/d

Application Route: Ingestion Exposure time: 8,640 h Number of exposures: 7 d Method: Chronic toxicity

Ethylene glycol:

Species: Rat, male and female

NOAEL (No observed adverse effect level): 200 mg/kg/d

Application Route: Ingestion Exposure time: 17,280 h Method: Chronic toxicity

Species: Rat, male

NOAEL (No observed adverse effect level): 150 mg/kg/d

Application Route: Ingestion Exposure time: 8,640 h Number of exposures: 7 d Method: Chronic toxicity



ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

1.0 07/29/2015 400001020108 Date of first issue: 07/29/2015

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:

Ethylene glycol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 72,860 mg/l

Exposure time: 96 h
Test Type: static test

Test substance: Fresh water

Ethylene glycol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 72,860 mg/l

Exposure time: 96 h Test Type: static test

Test substance: Fresh water

Ingredients:



ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

1.0 07/29/2015 400001020108 Date of first issue: 07/29/2015

Ethylene glycol:

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

Ethylene glycol:

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:

Ethylene glycol:

Toxicity to algae : ErC50 (Selenastrum capricornutum (green algae)): 6,500 -

13,000 mg/l

Exposure time: 96 h

Ethylene glycol:

Toxicity to algae : ErC50 (Selenastrum capricornutum (green algae)): 6,500 -

13,000 mg/l

Exposure time: 96 h

M-Factor (Acute aquatic

toxicity)

: No data available

Ingredients:

Ethylene glycol:

Toxicity to fish (Chronic

toxicity)

: NOEC (Pimephales promelas (fathead minnow)): 15,380 mg/l

Exposure time: 7 d Test Type: static test

Test substance: Fresh water

Ethylene glycol:

Toxicity to fish (Chronic

toxicity)

: NOEC (Pimephales promelas (fathead minnow)): 15,380 mg/l

Exposure time: 7 d Test Type: static test

Test substance: Fresh water

Ingredients:

Ethylene glycol:

Toxicity to daphnia and other

aquatic invertebrates (Chronic toxicity)

: NOEC (Ceriodaphnia dubia (Water flea)): 8,590 mg/l

Exposure time: 7 d Test Type: static test

Test substance: Fresh water

Ethylene glycol:

Toxicity to daphnia and other

aquatic invertebrates (Chronic toxicity)

: NOEC (Ceriodaphnia dubia (Water flea)): 8,590 mg/l

Exposure time: 7 d
Test Type: static test

Test substance: Fresh water



ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

1.0 07/29/2015 400001020108 Date of first issue: 07/29/2015

M-Factor (Chronic aquatic

toxicity)

: No data available

Toxicity to bacteria : No data available

Toxicity to soil dwelling

organisms

: No data available

Plant toxicity : No data available

Sediment toxicity : No data available

Toxicity to terrestrial

organisms

: No data available

Ecotoxicology Assessment

Acute aquatic toxicity

: No data available

Chronic aquatic toxicity : No data available

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:

Ethylene glycol:

Biodegradability : Inoculum: activated sludge

Result: Readily biodegradable. Biodegradation: 90 - 100 %

Exposure time: 10 d

Method: OECD Test Guideline 301A

Ethylene glycol:

Biodegradability : Inoculum: activated sludge

Result: Readily biodegradable. Biodegradation: 90 - 100 %

Exposure time: 10 d

Method: OECD Test Guideline 301A

Biochemical Oxygen

Demand (BOD)

: No data available

Chemical Oxygen Demand

(COD)

: No data available

BOD/COD : No data available

ThOD : No data available



ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

07/29/2015 400001020108 1.0 Date of first issue: 07/29/2015

BOD/ThOD : No data available

Dissolved organic carbon

(DOC)

: No data available

Physico-chemical

removability

: No data available

: No data available Stability in water

Ingredients:

Ethylene glycol:

Photodegradation : Rate constant: < .00001

Ethylene glycol:

Photodegradation : Rate constant: < .00001

Impact on Sewage

Treatment

: No data available

Bioaccumulative potential

Bioaccumulation : No data available

Partition coefficient: n-

octanol/water - Product

: log Pow: -1.36

Mobility in soil

Mobility : No data available

Distribution among

environmental compartments

: No data available

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



ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

1.0 07/29/2015 400001020108 Date of first issue: 07/29/2015

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

Global warming potential

(GWP)

: No data available

: No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Do not dispose of waste into sewer.

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

UN/ID/NA number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(ETHYLENE GLYCOL)

Class : 9 Packing group : III

Labels : CLASS 9
ERG Code : 171
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION



ETHYLENE GLYCOL INDUSTRIAL

Version Revision Date: SDS Number: Date of last issue: -

07/29/2015 400001020108 1.0 Date of first issue: 07/29/2015

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) |
|---------------------------|----------|--------------------|-----------------------------|
| MONOETHYLENE GLYCOL (MEG) | 107-21-1 | 5000 | * |

^{*:} Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : Chronic Health Hazard

> Acute Health Hazard No SARA Hazards

: The following components are subject to reporting levels **SARA 313**

established by SARA Title III, Section 313:

Ethylene glycol 107-21-1 99 %

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).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR

61):

107-21-1 Ethylene glycol

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 This product does not contain any chemicals known to the

State of California to cause cancer, birth, or any other

reproductive defects.

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

CH INV On the inventory, or in compliance with the inventory

TSCA On TSCA Inventory

All components of this product are on the Canadian DSL. DSL **AICS** : On the inventory, or in compliance with the inventory **NZIoC** : On the inventory, or in compliance with the inventory **ENCS** : On the inventory, or in compliance with the inventory : On the inventory, or in compliance with the inventory **ISHL** : On the inventory, or in compliance with the inventory KECI : On the inventory, or in compliance with the inventory **PICCS 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)

ETHYLENE GLYCOL INDUSTRIAL

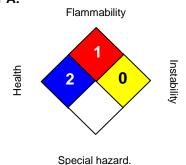
Version Revision Date: SDS Number: Date of last issue: -

1.0 07/29/2015 400001020108 Date of first issue: 07/29/2015

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 : 07/29/2015

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.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE. THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

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.

NO PERSON OR ORGANIZATION EXCEPT A DULY AUTHORIZED HUNTSMAN EMPLOYEE IS AUTHORIZED TO PROVIDE OR MAKE AVAILABLE DATA SHEETS FOR HUNTSMAN PRODUCTS. DATA SHEETS FROM UNAUTHORIZED SOURCES MAY CONTAIN INFORMATION THAT IS NO LONGER CURRENT OR ACCURATE. NO PART OF THIS DATA SHEET MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM, OR BY ANY MEANS, WITHOUT PERMISSION IN WRITING FROM HUNTSMAN. ALL REQUESTS FOR PERMISSION TO REPRODUCE MATERIAL FROM THIS DATA SHEET SHOULD BE DIRECTED TO HUNTSMAN, MANAGER, PRODUCT SAFETY AT THE ABOVE ADDRESS.