

TERMIX® 5225

Version 1.0 Revision Date: 10/02/2015 SDS Number: 400001003763 Date of last issue: -
Date of first issue: 10/02/2015

SECTION 1. IDENTIFICATION

Product name : TERMIX® 5225

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**

Acute toxicity (Oral) : Category 4
Eye irritation : Category 2B
Specific target organ systemic toxicity - single exposure : Category 2 (Kidney, Liver, Central nervous system)
Specific target organ systemic toxicity - repeated exposure : Category 2 (Kidney, Central nervous system, Liver)
Acute aquatic toxicity : Category 2
Chronic aquatic toxicity : Category 2

GHS Label element

Hazard pictograms : 

Signal Word : Warning

Hazard Statements : H302 Harmful if swallowed.
H320 Causes eye irritation.

TERMIX® 5225

Version 1.0 Revision Date: 10/02/2015 SDS Number: 400001003763 Date of last issue: -
 Date of first issue: 10/02/2015

H371 May cause damage to organs (Kidney, Liver, Central nervous system).
 H373 May cause damage to organs (Kidney, Central nervous system, Liver) through prolonged or repeated exposure.
 H411 Toxic to aquatic life with long lasting effects.

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.
 P273 Avoid release to the environment.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308 + P311 IF exposed or concerned: Call a POISON CENTER or doctor/ physician.
 P337 + P313 If eye irritation persists: Get medical advice/ attention.
 P391 Collect spillage.

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 : Mixture

Hazardous ingredients

Chemical Name	CAS-No.	Concentration (%)
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	30 - 60
Diethylene glycol	111-46-6	13 - 30
Tetraethylene glycol	112-60-7	1 - 3
Ethylene glycol	107-21-1	1 - 3

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.

TERMIX® 5225

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/02/2015	400001003763	Date of first issue: 10/02/2015

- 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 : 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.
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.

TERMIX® 5225

Version 1.0	Revision Date: 10/02/2015	SDS Number: 400001003763	Date of last issue: - Date of first issue: 10/02/2015
----------------	------------------------------	-----------------------------	--

- 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 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.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : Keep away from oxidizing agents.
Keep away from strong acids.
Keep away from strong bases.
Keep away from metals.
Reducing 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/m ³	ACGIH
		C	50 ppm 125 mg/m ³	OSHA P0

Hazardous components without workplace control parameters

Ingredients	CAS-No.
Poly(oxy-1,2-ethanediyl), .alpha.-(4-	127087-87-0

TERMIX® 5225

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/02/2015	400001003763	Date of first issue: 10/02/2015

nonylphenyl)-.omega.-hydroxy-, branched	
Diethylene glycol	111-46-6
Tetraethylene glycol	112-60-7

Personal protective equipment

- Respiratory protection : In the case of vapor formation use a respirator with an approved filter.
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.
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 : clear
- Odor : alcoholic
- Odor Threshold : No data is available on the product itself.
- pH : 5
- Boiling point : 101.7 °C
- Flash point : > 137.78 °C
Method: closed cup
- Evaporation rate : No data is available on the product itself.

TERMIX® 5225

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/02/2015	400001003763	Date of first issue: 10/02/2015

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 : > 1.333 hPa (20 °C)

Relative vapor density : 1

Relative density : 1.05

Density : No data is available on the product itself.

Solubility(ies)

Water solubility : soluble

Solubility in other solvents : Solvent: Ethanol
Description: partly soluble

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 : > 20 mm²/s (40 °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

Incompatible materials : Acids
Alkali metals
Reducing agents
Oxidizing agents
Metals

Hazardous decomposition products : Carbon dioxide (CO₂)
Carbon monoxide
Aldehydes
Ketones
Acids

TERMIX® 5225

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/02/2015	400001003763	Date of first issue: 10/02/2015

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 : 1,954 mg/kg
Method: Calculation method

Acute inhalation toxicity : No data available

Ingredients:

Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched:
Acute dermal toxicity : LD50 (Rabbit, male and female): > 3,000 mg/kg

Diethylene glycol:
Acute dermal toxicity : LD50 (Rabbit): 12,500 mg/kg

Tetraethylene glycol:
Acute dermal toxicity : LD50 (Rabbit): 20,000 mg/kg

Ethylene glycol:
Acute dermal toxicity : LD50 (Mouse, male and female): > 3,500 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

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

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:**

Diethylene glycol:
Routes of exposure: Skin
Species: Guinea pig
Method: Directive 67/548/EEC, Annex V, B.6.
Result: Does not cause skin sensitization.

Ethylene glycol:

TERMIX® 5225

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/02/2015	400001003763	Date of first issue: 10/02/2015

Routes of exposure: Skin
Species: Guinea pig
Result: Does not cause skin sensitization.

Assessment: No data available

Germ cell mutagenicity**Ingredients:**

Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched:

Genotoxicity in vitro : Concentration: 100 - 10000 ug/plate
Metabolic activation: with and without metabolic activation
Result: negative

Concentration: 75 mg/kg
Result: negative

Concentration: 0 - 10 mg/kg
Result: negative

Ethylene glycol:
Genotoxicity in vitro : Metabolic activation: with and without metabolic activation
Result: negative

Ingredients:

Diethylene glycol:

Genotoxicity in vivo : Cell type: Somatic
Application Route: Intraperitoneal injection
Dose: 500 - 2000 mg/kg
Method: OECD Test Guideline 474
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:**

Diethylene glycol:
Species: Rat, (male and female)
Application Route: Oral
Exposure time: 108 weeks
Dose: 1160 - 1210 mg/kg
Frequency of Treatment: 7 daily
Result: negative

Ethylene glycol:
Species: Rat, (male and female)
Application Route: Oral

TERMIX® 5225

Version 1.0 Revision Date: 10/02/2015 SDS Number: 400001003763 Date of last issue: -
Date of first issue: 10/02/2015

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

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

Effects on fertility : No data available

Ingredients:

Diethylene glycol:
Effects on fetal development : Species: Rabbit
Application Route: Oral
Dose: 1000 milligram per kilogram
Method: OECD Test Guideline 414
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:**

Diethylene glycol:
Target Organs: Central nervous system, Kidney
Assessment: May cause damage to organs.

Ethylene glycol:

TERMIX® 5225

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/02/2015	400001003763	Date of first issue: 10/02/2015

Target Organs: Kidney, Liver

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 2.

STOT-repeated exposure**Ingredients:**

Diethylene glycol:

Target Organs: Kidney, Liver, Central nervous system

Assessment: May cause damage to organs through prolonged or repeated exposure.

Ethylene glycol:

Target Organs: Kidney, Central nervous system, Liver

Assessment: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Repeated dose toxicity**Ingredients:**

Diethylene glycol:

Species: Rat, male and female

No-observed-effect level: 150 mg/kg

Application Route: Ingestion

Exposure time: 28 Days

Method: Subacute 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

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

TERMIX® 5225

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/02/2015	400001003763	Date of first issue: 10/02/2015

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:**

Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 7.6 mg/l
Exposure time: 96 h

LC50 (Fish): 8.6 mg/l
Exposure time: 96 h

LC50 (Salmo trutta (brown trout)): 1 mg/l
Exposure time: 96 h
Test substance: Fresh water

Diethylene glycol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 75,200 mg/l
Exposure time: 96 h
Test Type: flow-through test
Test substance: Fresh water
Remarks: Toxic to aquatic organisms.

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:

Diethylene glycol:

TERMIX® 5225

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/02/2015	400001003763	Date of first issue: 10/02/2015

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l
 Exposure time: 24 h
 Test Type: static test
 Test substance: Fresh water
 Method: DIN 38412

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

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

Ingredients:

Diethylene glycol:
 Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): 15,380 mg/l
 Exposure time: 17 d
 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:

Diethylene glycol:
 Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Ceriodaphnia (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

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

Ingredients:

Diethylene glycol:
 Toxicity to bacteria : IC50: > 1,000 mg/l

TERMIX® 5225

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/02/2015	400001003763	Date of first issue: 10/02/2015

Exposure time: 3 h
Method: OECD Test Guideline 209

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**Ingredients:**

Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched:
Acute aquatic toxicity : Toxic to aquatic life.

Ingredients:

Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched:
Chronic aquatic toxicity : Toxic 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:**

Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched:
Biodegradability : Result: Not readily biodegradable.
Biodegradation: < 60 %
Exposure time: 28 d

Diethylene glycol:
Biodegradability : Inoculum: activated sludge
Result: Readily biodegradable.
Biodegradation: >= 70 %
Exposure time: 10 - 29 d

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

TERMIX® 5225

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/02/2015	400001003763	Date of first issue: 10/02/2015

Chemical Oxygen Demand (COD) : No data available

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

Ingredients:

Ethylene glycol:
Photodegradation : Rate constant: < .00001

Impact on Sewage Treatment : No data available

Bioaccumulative potential**Ingredients:**

Diethylene glycol:
Bioaccumulation : Species: Leuciscus idus (Golden orfe)
Bioconcentration factor (BCF): 100
Exposure time: 3 d
Test substance: Fresh water
Method: OECD Test Guideline 305

Ingredients:

Diethylene glycol:
Partition coefficient: n-octanol/water : log Pow: -1.98

log Pow: -1.98 (25 °C)
Method: No information available.

Ethylene glycol:
Partition coefficient: n-octanol/water : log Pow: -1.36

Mobility in soil

Mobility : No data available

Distribution among environmental compartments : No data available

Stability in soil : No data available

TERMIX® 5225

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/02/2015	400001003763	Date of first issue: 10/02/2015

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.
Toxic 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
UN/ID No. : UN 3082

TERMIX® 5225

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/02/2015	400001003763	Date of first issue: 10/02/2015

Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
(NONYLPHENOL ETHOXYLATE)

Class : 9

Packing group : III

Labels : Miscellaneous

Packing instruction (cargo aircraft) : 964

Packing instruction (passenger aircraft) : 964

IMDG

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(NONYLPHENOL ETHOXYLATE)

Class : 9

Packing group : III

Labels : 9

EmS Code : F-A, S-F

Marine pollutant : yes

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.
(NONYLPHENOL ETHOXYLATE)

Class : 9

Packing group : III

Labels : CLASS 9

ERG Code : 171

Marine pollutant : yes

SECTION 15. REGULATORY INFORMATION

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

EPCRA - Emergency Planning and Community Right-to-Know

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

TERMIX® 5225

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/02/2015	400001003763	Date of first issue: 10/02/2015

Ethylene glycol	107-21-1	2.7198 %
-----------------	----------	----------

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):

Diethylene glycol	111-46-6	16.588 %
Ethylene glycol	107-21-1	2.7198 %

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM 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.

1,4-dioxane	123-91-1
ethylene oxide	75-21-8

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:

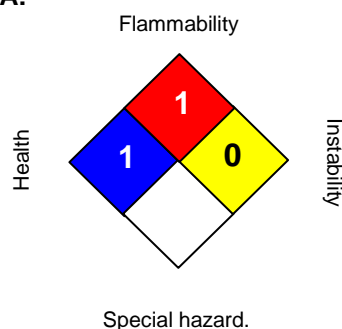
TSCA	: On TSCA Inventory
DSL	: All components of this product are on the Canadian DSL.
AICS	: On the inventory, or in compliance with the inventory
ISHL	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in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

TERMIX® 5225

Version 1.0 Revision Date: 10/02/2015 SDS Number: 400001003763 Date of last issue: -
 Date of first issue: 10/02/2015

SECTION 16. OTHER INFORMATION**Further information****NFPA:****HMIS III:**

HEALTH	1*
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,

2 = Moderate, 3 = High

4 = Extreme, * = Chronic

Revision Date : 10/02/2015

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.