

**TERWET® 3780**

Version 1.0      Revision Date: 12/19/2016      SDS Number: 400001002037      Date of last issue: -  
Date of first issue: 12/19/2016

**SECTION 1. IDENTIFICATION**

Product name : TERWET® 3780

**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 (USA)  
Telephone : TechInfo: (281) 719-7780

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

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

**Recommended use of the chemical and restrictions on use**

Recommended use : Surfactant

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with 29 CFR 1910.1200**

Acute toxicity (Oral) : Category 4  
Acute toxicity (Inhalation) : Category 3  
Serious eye damage : Category 1  
Specific target organ toxicity - single exposure : Category 2 (Kidney, Central nervous system)  
Specific target organ toxicity - repeated exposure : Category 2 (Kidney, Central nervous system, Liver)  
Acute aquatic toxicity : Category 2  
Chronic aquatic toxicity : Category 2

**GHS label elements**

Hazard pictograms : 

Signal word : Danger

Hazard statements : H302 Harmful if swallowed.  
H318 Causes serious eye damage.  
H331 Toxic if inhaled.

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H371 May cause damage to organs (Kidney, 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.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear eye protection/ face protection.

**Response:**

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

P304 + P340 + P311 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor.

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/doctor.

P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor.

P391 Collect spillage.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous components**

Chemical name	CAS-No.	Concentration (% w/w)
Amines, tallow alkyl, ethoxylated	61791-26-2	60 - 100
Ethylene glycol	107-21-1	3 - 7

The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

**SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.

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- Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.  
Do not leave the victim unattended.
- If inhaled : Call a physician or poison control centre immediately.  
If unconscious, place in recovery position and seek medical advice.
- 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.
- Notes to physician : Treatment with ethyl alcohol is indicated if toxic ingestion is suspected or if there is metabolic acidosis following ingestion of this product. Administer ethyl alcohol sufficient to maintain blood ethyl alcohol levels of above 100 mg/dL.  
  
4-Methylpyrazole (Fomepizole, Antizole) is also a recognized antidote for this product.  
  
Focus on the radioactivity of the product.

**SECTION 5. FIREFIGHTING 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 firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known

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- 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 firefighters : 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. Ensure adequate ventilation. Evacuate personnel to safe areas.
- 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**

- Technical measures : Avoid exposure - obtain special instructions before use. Avoid formation of aerosol. During spraying, wear suitable respiratory equipment. Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines
- Local/Total ventilation : Provide sufficient air exchange and/or exhaust in work rooms.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Avoid formation of aerosol. Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. 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 : Prevent unauthorized access. Keep container tightly closed in a dry and well-ventilated place.

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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.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethylene glycol	107-21-1	C (Aerosol only)	100 mg/m <sup>3</sup>	ACGIH

**Personal protective equipment**

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection  
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

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

Protective measures : Do not breathe vapours, aerosols.

Hygiene measures : Avoid contact with skin, eyes and clothing.  
When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and immediately after handling the product.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Colour : amber

Odour : amine-like

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

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pH : 9 - 10.5  
Concentration: 10 g/l

Melting point : -7 - -2 °C

Boiling point : 271.1 °C

Flash point : > 93.3 °C  
Method: closed cup

Evaporation rate : No data is available on the product itself.

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

Flammability (liquids) : 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.

Vapour pressure : No data is available on the product itself.

Relative vapour density : 0

Relative density : 1.02

Density : No data is available on the product itself.

Solubility(ies)

Water solubility : No data is available on the product itself.

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

Partition coefficient: n-octanol/water : No data is available on the product itself.

Auto-ignition temperature : No data is available on the product itself.

Thermal decomposition : No data is available on the product itself.

Self-Accelerating decomposition temperature (SADT) : No data is available on the product itself.

Viscosity

Viscosity, dynamic : 250 mPa.s (25 °C)

Viscosity, kinematic : 93.6 mm<sup>2</sup>/s (40 °C)

Explosive properties : No data is available on the product itself.

Oxidizing properties : No data is available on the product itself.

Particle size : No data is available on the product itself.

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : Not classified as a reactivity hazard.  
Chemical stability : The product is chemically stable.  
Possibility of hazardous reactions : No decomposition if stored and applied as directed.  
Conditions to avoid : No data available

Incompatible materials : Incompatible with oxidizing agents.

Hazardous decomposition products : Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)

**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 : 1,513 mg/kg  
Method: Calculation method

Acute inhalation toxicity - Product : Acute toxicity estimate: 0.67 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity - Product : LD50 (Rabbit): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

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

**Skin corrosion/irritation****Components:**

Ethylene glycol:  
Species: Rabbit  
Exposure time: 20 h  
Result: No skin irritation

**Serious eye damage/eye irritation****Components:**

Amines, tallow alkyl, ethoxylated:  
Species: Rabbit  
Result: Risk of serious damage to eyes.

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Ethylene glycol:  
Species: Rabbit  
Result: No eye irritation  
Exposure time: 24 hrs  
GLP: no

**Respiratory or skin sensitisation****Components:**

Amines, tallow alkyl, ethoxylated:  
Test Type: Maximisation Test  
Exposure routes: Skin  
Species: Guinea pig  
Result: Causes sensitisation.

Ethylene glycol:  
Test Type: Maximisation Test  
Exposure routes: Skin  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Not a skin sensitizer.

Assessment: No data available

**Germ cell mutagenicity****Components:**

Amines, tallow alkyl, ethoxylated:  
Genotoxicity in vitro : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Result: negative

Ethylene glycol:  
Genotoxicity in vitro : Test Type: reverse mutation assay  
Species: Salmonella tryphimurium and E. coli  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

**Components:**

Amines, tallow alkyl, ethoxylated:  
Genotoxicity in vivo : Cell type: Somatic  
Application Route: Intraperitoneal injection  
Dose: 100 mg/kg  
Result: negative

Ethylene glycol:  
Genotoxicity in vivo : Test Type: dominant lethal test  
Species: Rat (male and female)  
Cell type: Germ  
Application Route: Oral  
Dose: 40/200/1000 mg/kg  
Result: negative



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**Carcinogenicity****Product:**

Result: Not classified due to data which are conclusive although insufficient for classification.

Carcinogenicity - Assessment : No data available

**IARC** No component 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 component 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 component 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 component 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****Components:**

Amines, tallow alkyl, ethoxylated:  
Effects on fertility : Species: Rat, male and female  
Application Route: Oral  
Method: OECD Test Guideline 422  
Result: negative

Ethylene glycol:  
Species: Mouse, male and female  
Application Route: Oral  
Dose: 40/200/1000 milligram per kilogram  
Frequency of Treatment: 7 days/week  
General Toxicity - Parent: No-observed-effect level: 1,000 mg/kg body weight  
General Toxicity F1: No-observed-effect level: 1,000 mg/kg body weight

Species: Rat, male and female  
Application Route: Oral  
Dose: 40/200/1000 milligram per kilogram  
Frequency of Treatment: 7 days/week  
General Toxicity - Parent: No observed adverse effect level: 1,000 mg/kg body weight

**Components:**

Amines, tallow alkyl, ethoxylated:  
Effects on foetal development : Species: Rat, female  
Application Route: Oral  
General Toxicity Maternal: No observed adverse effect level:

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15 mg/kg body weight  
Result: No teratogenic effects

Ethylene glycol:

Test Type: Embryo-foetal development  
Species: Rat, female  
Application Route: Oral  
Duration of Single Treatment: 336 h  
Frequency of Treatment: 7 days/week  
General Toxicity Maternal: No observed adverse effect level:  
250 mg/kg body weight  
Developmental Toxicity: No observed adverse effect level:  
250 mg/kg body weight  
Method: No information available.  
Result: No teratogenic effects

Reproductive toxicity - Assessment : No data available

**STOT - single exposure****Components:**

Ethylene glycol:

Target Organs: Kidney, Central nervous system

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

**STOT - repeated exposure****Components:**

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****Components:**

Amines, tallow alkyl, ethoxylated:

Species: Rat, male and female

NOAEL: 500 ppm

Application Route: Ingestion

Exposure time: 2,160 h

Method: Subchronic toxicity

Ethylene glycol:

Species: Rat, male

NOEL: 150 mg/kg/d

Application Route: oral (feed)

Exposure time: 16 Weeks

Number of exposures: 7 d/weeks

Dose: 50/150/500/1000 mg/kg bw

Method: OECD Test Guideline 408

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Species: Rat, male and female  
NOAEL: 200 mg/kg/d  
Application Route: oral (gavage)  
Exposure time: 33 d  
Number of exposures: 7 d/weeks  
Dose: 220/660/2000 mg/kg bw  
Method: Chronic toxicity  
Target Organs: Kidney

Species: Mouse, male and female  
NOAEL: 12500 ppm  
Application Route: oral (feed)  
Exposure time: 13 Weeks  
Dose: 3200/6300/12500/25000/50000 pp  
Method: Subchronic toxicity

Species: Rat, male  
NOAEL: 150 mg/kg/d  
Application Route: oral (feed)  
Exposure time: 52 Weeks  
Number of exposures: 7 d/weeks  
Dose: 50/150/300/400 mg/kg/bw  
Method: OECD Test Guideline 452

Species: Dog, male  
NOAEL: ca. 2200 mg/kg  
Application Route: Skin contact  
Exposure time: 4 Weeks  
Number of exposures: 7 d/ weeks  
Dose: 0,5/2,0/8,0 ml/kg bw  
Method: OECD Test Guideline 410

Species: Dog, male  
NOAEL: ca. 2200 - 4400 mg/kg  
Application Route: Skin contact  
Exposure time: 4 Weeks  
Number of exposures: 7 d/weeks  
Dose: 2,0/4,0 ml/kg bw  
Method: OECD Test Guideline 410

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

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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**

Toxicity to fish - Product : LC50: 1.45 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50: 1.36 mg/l  
aquatic invertebrates - Exposure time: 48 h  
Product

Toxicity to algae - Product : IC50: 3,3 ug/l

**Components:**

Amines, tallow alkyl, ethoxylated:

M-Factor (Acute aquatic : 1  
toxicity)

**Components:**

Ethylene glycol:

Toxicity to fish (Chronic : NOEC (Pimephales promelas (fathead minnow)): 32,000 mg/l  
toxicity) Exposure time: 7 d  
Test Type: static test  
Test substance: Fresh water

**Components:**

Ethylene glycol:

Toxicity to daphnia and other : NOEC (Ceriodaphnia dubia (Water flea)): 8,590 mg/l  
aquatic invertebrates Exposure time: 7 d  
(Chronic toxicity) Test Type: semi-static test  
Test substance: Fresh water

M-Factor (Chronic aquatic : No data available

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toxicity)

**Components:**

Ethylene glycol:

Toxicity to microorganisms : EC20 (activated sludge): > 1,995 mg/l  
Exposure time: 30 min  
Test Type: static test  
Test substance: Fresh water  
Method: ISO 8192

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

**Components:**

Amines, tallow alkyl, ethoxylated:

Acute aquatic toxicity : Toxic to aquatic life.

**Components:**

Amines, tallow alkyl, ethoxylated:

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**

Biodegradability - Product : Result: Readily biodegradable.

Biochemical Oxygen Demand (BOD) : No data available

Chemical Oxygen Demand (COD) : No data available

BOD/COD : No data available

ThOD : No data available

BOD/ThOD : No data available

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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**

Bioaccumulation : No data available

**Components:**

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

**Mobility in soil**

Mobility : No data available

**Components:**

Ethylene glycol:  
Distribution among environmental compartments : Adsorption/Soil  
Medium: Soil  
Koc: 0 - 1Method: Calculation method

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

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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 Regulations****IATA**

UN/ID No. : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(AMINES, TALLOW ALKYL, ETHOXYLATED)  
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.  
(AMINES, TALLOW ALKYL, ETHOXYLATED)  
Class : 9  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : yes

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**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations****DOT Classification**

UN/ID/NA number : UN 3082  
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AMINES, TALLOW ALKYL, ETHOXYLATED)  
 Class : 9  
 Packing group : III  
 Labels : CLASS 9  
 ERG Code : 171  
 Marine pollutant : yes(AMINES, TALLOW ALKYL, ETHOXYLATED)

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Ethylene glycol	107-21-1	5000	*
ethylene oxide	75-21-8	10	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

**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:

Ethylene glycol                      107-21-1                      3.465 %

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

Ethylene glycol                      107-21-1                      3.465 %

**California Prop. 65**

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

ethylene oxide                      75-21-8

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

Ethylene glycol                      107-21-1  
ethylene oxide                      75-21-8

**The components of this product are reported in the following inventories:**

CH INV : The formulation contains substances listed on the Swiss Inventory, On the inventory, or in compliance with the



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inventory

TSCA : On the inventory, or in compliance with the 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

ENCS : 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

TCSI : On the inventory, or in compliance with the inventory

**Inventories**

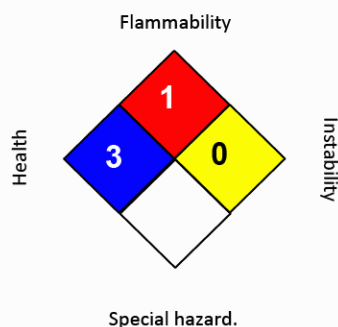
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

**TSCA - 5(a) Significant New Use Rule List of Chemicals**

No substances are subject to a Significant New Use Rule.

**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**

No substances are subject to TSCA 12(b) export notification requirements.

**SECTION 16. OTHER INFORMATION****Further information****NFPA:****HMIS® IV:**

<b>HEALTH</b>	*	<b>3</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

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**TERWET® 3780**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12/19/2016	400001002037	Date of first issue: 12/19/2016

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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.

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