O SCENT ANTI FREEZE

1. PRODUCT AND COMPANY IDENTIFICATION

Distributor:

Odor-Tech, LLC.
7591 Esler Field Road
Pineville, LA 71360

Thio and Fine Chemicals

Customer Service Telephone Number: (+ 55 5002 7100)
(Disponible de 8:00 a 17:00)

Emergency Information

Transportation: CHEMTREC: (800) 424-9300
(24 hrs., 7 days a week)
Medical: Rocky Mountain Poison Center: (866) 767-5089
(24 hrs., 7 days a week)
SETIQ: 01-800-0 0-21-400 del interior de la república, +55 55-59-15-88 en la Cd. De México y área Metropolitana

Product Information

Product name: O SCENT ANTI FREEZE
Synonyms: Not available
Molecular formula: Mixture
Chemical family: Proprietary
Product use: Neutralizing agent

2. HAZARDS IDENTIFICATION

Emergency Overview
Color: Clear - colourless
Physical state: liquid
Odor: fragrant

***Classification of the substance or mixture:**

GHS-Labelling

Not a hazardous substance or mixture.

Other:

Due to the presence of the solvent : Mist and/or vapor are reported to cause irritation when proper industrial hygiene controls/procedures are not used.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Wt/Wt	GHS Classification**
1,2-Propanediol	57-55-6	50 %	Not classified
Water	7732-18-5	>= 45 - < 55 %	Not classified

**For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Inhalation:
If inhaled, remove victim to fresh air.

Skin:
In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.

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

Ingestion:
If swallowed, DO NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

5. FIREFIGHTING MEASURES

Extinguishing media (suitable):
Water spray, Carbon dioxide (CO2), Foam, Dry chemical

Protective equipment:
Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand / NIOSH approved or equivalent).

Further firefighting advice:
Fire fighting equipment should be thoroughly decontaminated after use.

Fire and explosion hazards:

When burned, the following hazardous products of combustion can occur:
Carbon oxides
Hazardous organic compounds

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, Emergency procedures, Methods and materials for containment/clean-up:
Prevent further leakage or spillage if you can do so without risk. Ventilate the area. Avoid generation of vapors. Contain and collect spillage with non-combustible absorbent material such as clean sand, earth, diatomaceous earth or non-acidic clay and place into suitable properly labeled containers for prompt disposal. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Protective equipment:
Appropriate personal protective equipment is set forth in Section 8.

7. HANDLING AND STORAGE

Handling

General information on handling:
Avoid breathing vapor or mist.
Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin, and clothing.

Storage

General information on storage conditions:
Keep in a dry, cool place. Store in closed containers, in a secure area to prevent container damage and subsequent spillage.

Storage incompatibility – General:
Store separate from:

Strong acids

Strong bases

Strong oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Guidelines:

Engineering controls:
Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits (if applicable see above).If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

Respiratory protection:
Avoid breathing vapor or mist. Where airborne exposure is likely or airborne exposure limits are exceeded (if applicable, see above), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Consult respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure or where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Skin protection:
Minimize skin contamination by following good industrial hygiene practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.

Eye protection:
Use good industrial practice to avoid eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Clear - colourless
Physical state:	liquid
Odor:	fragrant
Odor threshold:	No data available
Flash point	> 392 °F (> 200 °C)
Auto-ignition temperature:	No data available
Lower flammable limit (LFL):	No data available
Upper flammable limit (UFL):	No data available
pH:	10.5
Density:	0.79 g/cm3
Specific Gravity (Relative density):	0.79 (68 °F(20 °C))Water=1 (liquid)
Vapor pressure:	44 mmHg (68 °F (20 °C))
Vapor density:	No data available
Boiling point/boiling range:	365 - 372 °F (185 - 189 °C)
Melting point/range:	No data available

Freezing point:	No data available
Evaporation rate:	2 (n-butyl acetate = 1)
Solubility in water:	completely soluble
Viscosity, kinematic:	1 mm2/s 68 °F (20 °C)
Viscosity, dynamic:	1 mPa.s 68 °F (20 °C)
Oil/water partition coefficient:	No data available
Thermal decomposition	No data available
Flammability:	See GHS Classification in Section 2

10. STABILITY AND REACTIVITY

Stability:
This material is chemically stable under normal and anticipated storage, handling and processing conditions.

Hazardous reactions:
None known.

Materials to avoid:
Strong acids
Strong bases
Strong oxidizing agents

Conditions / hazards to avoid:
Protect from light.

Hazardous decomposition products:

Thermal decomposition giving flammable and toxic products:
Carbon oxides
Hazardous organic compounds

Spontaneous polymerization: **no**

11. TOXICOLOGICAL INFORMATION

Data on this material and/or its components are summarized below.

Data for 1,2-Propanediol (57-55-6)

Acute toxicity

Oral:
Practically nontoxic. (Rat) LD50 = 22,000 mg/kg.

Dermal:
No deaths occurred. (Rabbit) LD0 = 2,000 mg/kg.

Inhalation:
Practically nontoxic. (Rabbit) 2 h LC0 > 317 mg/l.

Skin Irritation:
Non-irritating (Rabbit) Irritation Index: 0 / 8. (4 h)

Eye Irritation:
Mild eye irritation (Rabbit)

Skin Sensitization:
Not a skin sensitizer Guinea pig maximization test. (Guinea pig) No skin allergy was observed

Not a skin sensitizer LLNA: Local Lymph Node Assay. (Mouse) No skin allergy was observed

Repeated dose toxicity
2 years dietary administration to rat and dog / No adverse effects reported.

3 months inhalation administration to Rat / affected organ(s): respiratory tract / signs: Nose bleeding, eye irritation / No adverse systemic effects reported. (Aerosol)

Carcinogenicity
Long term oral, dermal administration to rat and mouse / signs: No increase in tumor incidence was reported.

Genotoxicity

Assessment in Vitro:
No genetic changes were observed in laboratory tests using: bacteria, human cells

Genotoxicity

Assessment in Vivo:
No genetic changes were observed in laboratory tests using: rats, mice

Developmental toxicity

Exposure during pregnancy. oral (Mouse) / No birth defects were observed.

Reproductive effects
Continuous breeding studies. drinking water (Mouse) / No toxicity to reproduction.

Human experience
Inhalation:
Upper respiratory tract: irritation. Mist and/or vapor are reported to cause irritation when proper industrial hygiene controls/procedures are not used.

Human experience
Skin contact:
Skin: Allergic reactions. (subjects with dermatitis or eczema)

Skin: No skin allergy was observed. (studied using human volunteers) Irritant but not a sensitizer. (repeated or prolonged exposure)

Human experience
Eye contact:
Eyes: irritation. Mist and/or vapor are reported to cause irritation when proper industrial hygiene controls/procedures are not used.

Human experience
Ingestion:
Systemic effects: central nervous system depression. (severity of effects depends on extent of exposure)

12. ECOLOGICAL INFORMATION

Chemical Fate and Pathway
Data on this material and/or its components are summarized below.

Data for 1,2-Propanediol (57-55-6)

Biodegradation:
Readily biodegradable. (28 d) biodegradation 81.7 %

Octanol Water Partition Coefficient:
log Pow = -1.07 (measured)

Ecotoxicology
Data on this material and/or its components are summarized below.

Data for 1,2-Propanediol (57-55-6)

Aquatic toxicity data:
Practically nontoxic. Oncorhynchus mykiss (rainbow trout) 96 h LC50 = 40,613 mg/l

Aquatic invertebrates:
Practically nontoxic. Mysidopsis bahia 96 h LC50 = 18,800 mg/l
Practically nontoxic. Ceriodaphnia dubia 48 h LC50 = 18,340 mg/l

Algae:
Practically nontoxic. Pseudokirchneriella subcapitata (green algae) 96 h EC50 = 19,000 mg/l

Microorganisms:
Growth inhibition / Pseudomonas putida 18 h NOEC > 20,000 mg/l

Chronic toxicity to aquatic invertebrates:
Ceriodaphnia dubia 7 d NOEC (reproduction) = 13,020 mg/l

Chronic toxicity to aquatic plants:
Pseudokirchneriella subcapitata 14 d NOEC (growth rate) = 15000 mg/l

13. DISPOSAL CONSIDERATIONS

Waste disposal:
Where possible recycling is preferred to disposal or incineration. If recycling is not an option, incinerate or dispose of in accordance with federal, state, and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

14. TRANSPORT INFORMATION

US Department of Transportation (DOT): not regulated

International Maritime Dangerous Goods Code (IMDG): not regulated

15. REGULATORY INFORMATION

Chemical Inventory Status

EU. EINECS	EINECS	Does not conform
United States TSCA Inventory	TSCA	The components of this product are all on the TSCA Inventory.
Canadian Domestic Substances List (DSL)	DSL	This product contains one or several components that are not on the Canadian DSL nor NDSL lists.
China. Inventory of Existing Chemical Substances in China (IECSC)	IECSC (CN)	Does not conform
Japan. ENCS - Existing and New Chemical Substances Inventory	ENCS (JP)	Does not conform
Japan. ISHL - Inventory of Chemical Substances	ISHL (JP)	Does not conform
Korea. Korean Existing Chemicals Inventory (KECI)	KECI (KR)	Does not conform
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	PICCS (PH)	Does not conform
Australia Inventory of Chemical Substances (AICS)	AICS	Does not conform

United States – Federal Regulations

SARA Title III – Section 302 Extremely Hazardous Chemicals:

The components in this product are either not SARA Section 302 regulated or regulated but present in negligible concentrations.

SARA Title III - Section 311/312 Hazard Categories:
No SARA Hazards

SARA Title III – Section 313 Toxic Chemicals:
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.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantity (RQ):

The components in this product are either not CERCLA regulated, regulated but present in negligible concentrations, or regulated with no assigned reportable quantity.

United States – State Regulations

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

Chemical Name	CAS-No.
Ethanol	64-17-5

California Prop. 65
WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Chemical Name	CAS-No.
Ethanol	64-17-5

16. OTHER INFORMATION

Latest Revision(s):

Revised Section(s):	Mexico version
Reference number:	000000091675
Date of Revision:	01/15/2016
Date Printed:	01/16/2016

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