

NO-TOX2®
Material Safety Data Sheet
FEBRUARY 2009

NO-TOX2® is a registered trademark of TANNER SYSTEMS, INC.

1. Product and Company Identification

Trade Name & Synonyms: NO-TOX2®
Product Name: PROPYLENE GLYCOL/ALCOHOL
Chemical Family: GLYCOL AND ALCOHOL
MSDS Code Number: NA1993
Use: De-icant for compressed air lines. Not for human or animal consumption.

Manufactured by: TANNER SYSTEMS, INC. Website: www.tannersystems.com
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St. Joseph, MN 56374, U.S.A.

Information Telephone Number: FACTORY, 800-461-6454
Emergency Telephone Number: CHEMTREC, 800-424-9300 (24 Hours)

2. Composition/Information on Ingredients

HAZARDOUS COMPONENTS	C.A.S. NUMBER	EXPOSURE LIMITS	WEIGHT %
Propylene Glycol	57-55-6	Not established	> 50
Ethanol	64-17-5	1000 p.p.m.	< 10
Methanol	67-56-1	200 p.p.m.	< 5
<u>OTHER INGREDIENTS</u>			
Amino Alcohol			< 1
Mea-Mipa Borate			< 3
Colorant			< 1

3. Hazard Identification

EMERGENCY OVERVIEW: Combustible, Flashpoint 150° F., 64.9° C. (Method = TCC)

POTENTIAL ACUTE HEALTH EFFECTS ---

Ingestion: Headache, dizziness, fatigue and central nervous system depression.

Inhalation: Moderate respiratory irritation. Excessive inhalation may cause headache, dizziness, nausea and incoordination.

Eye Contact: Irritation.

Skin Contact: Mild skin irritation.

4. First Aid Measures

Ingestion: Onset of symptoms may be delayed for several hours after ingestion. Seek immediate medical attention.

Inhalation: Remove victim to fresh air. Provide oxygen if breathing is difficult. Seek medical attention.

Eye Contact: Flush immediately with gentle running water. Obtain medical attention.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation occurs seek medical attention.

Note to Physician: Treat symptoms.

5. Fire Fighting Measures

Flash Point: 150° (F) 64.9° (C)

Flash Point Method: Tag Closed Cup

Flammable limits in Air: Lower, Not applicable. Upper, Not applicable.

Extinguishing Media: Dry Chemical or CO²

Protection for Firefighters: Wear approved protective equipment and clothing.

Procedures for Firefighters: Stay upwind. Isolate and restrict access to area. Use fine water spray or fog to control fire spread and cool adjacent structures. Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure build-up which could result in container rupture.

NEPA RATINGS FOR THIS PRODUCT ARE: HEALTH 1, FLAMMABILITY 2, REACTIVITY 0.

6. Accidental Release Measures

Containment Techniques: Eliminate all sources of ignition. Stop leak. For small leaks use absorbent material. Large spills can be contained by diking to prevent spilled materials from entering sewers, confined spaces, drains, waterways or low areas.

Spill/Leak Clean-up Procedures and Equipment: Wear approved protective clothing and gear. Use absorbent material and diking methods. Flush area with water to remove trace residue.

Evacuation Procedures: Restrict area to protected personnel only.

Reporting Requirements: Comply with Local, State and Federal regulations. Notify appropriate EPA authorities.

7. Handling and Storage

Handling Practices and Warnings: Prohibit smoking or open flame in storage, use or handling areas. Eliminate all potential sources of ignition. Ensure proper electrical grounding procedures are in place. Use with adequate ventilation – avoid breathing vapor, contact with eyes, skin and clothing. Wear approved protective equipment. When opening drum give bung no more than one (1) turn and stop. Allow pressure to vent before proceeding.

Storage Practices and Warnings: Store in cool, dry, well ventilated area – away from ignition sources. Keep containers closed. Use only D.O.T. approved containers.

8. Exposure Control/Personal Protection

Engineering Controls: Provide ventilation designed for combustible atmospheres.

Routes to Entry, Inhalation: If TLV is exceeded use approved air respirator.

Routes to Entry, Eye/Face: Protect with approved face shield or goggles.

Routes to Entry, Skin: Wear chemical safety gloves and apparel.

Other Protective Measures and Equipment: If splashing is a concern wear rubber boots and a rubber apron.

9. Physical and Chemical Properties

Physical State:	Liquid	Color:	Pink
Odor:	Slight Alcohol	pH:	Not Available
Boiling Point:	167° F., 75° C.	Freezing Point:	Not Available
Evaporation Rate (Butyl Acetate = 1):	Not available	Solubility in Water:	100 %
Specific Gravity or Density (H₂O=1):	1.02 @ 69° F., 20° C.	Vapor Density (AIR = 1):	Not Available

10. Stability and Reactivity

Chemical Stability: Stable

Hazardous polymerization: Will not occur.

Conditions to Avoid: Contact with oxidizers, heat, sparks and flame or any other source of ignition.

Hazardous Products Produced During Decomposition: Carbon Dioxide. Carbon Monoxide.

Incompatibility -- Materials to Avoid: Oxidizing agents.

11. Toxicological Information

PRINCIPLE ROUTES OF EXPOSURE

Ingestion: Effect may be headache, dizziness, fatigue, central nervous system depression.

Inhalation: Effect may be moderate respiratory irritation. Excessive inhalation may cause headache, dizziness, nausea, incoordination.

Eye Contact: Effect may be eye irritation.

Skin Contact: Effect may be mild skin irritation.

12. Ecological Information

Not Available.

13. Disposal Considerations

Regulations: Generators of waste are responsible for waste classification, transport and disposal. Waste materials must be disposed of in accordance with Local, State and Federal regulations. Refer to current EPA regulations.

Empty Containers: Contain residue – dispose of, or recycle, in accordance with Local, State and Federal regulations.

14. Transport Information

U.S.A., D.O.T. ----

Regulated for shipping? NO

Packing Group: III

Identification Number: NA1993

Proper Shipping Name: Combustible Liquid, N.O.S. (contains SDA-3 alcohol and methanol)

National Fire Protection Agency (NFPA) Rating: Health 1, Fire 2, Reactivity 0

Do changes in quantity, packaging, or shipment method change product classification? No

Note: Ship 55 gal. drum as D.O.T. Class 60.

Ship carton of gal. jugs and 5 gal. pail as D.O.T. Class 65.

15. Regulatory Information

Federal Regulations: USDOT, OSHA, MSHA, EPA.

Hazard Communication Standard: CRF 1910-1200

International Maritime Dangerous Goods (IMDG): Combustible Liquid. Hazard Class 3.2

16. Other Information

Disclaimer: The information contained herein is based on the data available to us and is believed to be correct. However, Tanner Systems, Inc. makes no warranty expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Tanner Systems, Inc. assumes no responsibility for injury from the use of the product described therein.

** END OF MSDS **