






SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2471	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	FROST FREE	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Powerful Deicer Concentrate	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION:	SIGNAL WORD:	SYMBOL:			
Flam. Liq. 2 H225 Acute Tox. 3 (Oral) H301 Acute Tox. 3 (Dermal) H311 Acute Tox. 3 (Inhalation: dust, mist) H331 Repr. 1B H360 Lact. H362 STOT SE 1 H370	DANGER				

HAZARD STATEMENTS:

Highly flammable liquid and vapor. Toxic if swallowed, in contact with skin or if inhaled. May damage fertility or the unborn child. May cause harm to breast-fed children. Causes damage to organs (central nervous system, blood, eyes).

PRECAUTIONARY STATEMENTS:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, open flames, sparks. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lighting equipment. Use only nonsparking tools. Take precautionary measure against static discharge. Do not breathe fume, mist, spray or vapors. Avoid breathing fume, mist, spray or vapors. Avoid contact during pregnancy/while nursing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear eye protection, protective clothing, protective gloves.

Response: IF SWALLOWED: Immediately call a doctor, POISON CENTER. IF ON SKIN: Wash with plenty of water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF EXPOSED: Call a poison center/doctor. IF EXPOSED OR CONCERNED: Get medical advice/attention. Call a doctor, a POISON CENTER. Call a doctor, a POISON CENTER if you feel unwell. Specific treatment (see First Aid measures on label). Specific treatment (see First Aid measure on label). rinse mouth. Take off immediately all contaminated clothing and wash it before reuse. IN CASE OF FIRE: Use dry extinguishing powder, alcohol resistant foam, carbon dioxide (CO₂) to extinguish.

Storage: Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.

Disposal: Dispose of contents/container to comply with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

No additional information available.

UNKNOWN ACUTE TOXICITY:

Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT	CLASSIFICATION (GHS-US_)
Methanol	67-56-1	55-70	Flam. Liq. 2, H225 Acute Tox. 3 (Oral) H301 Acute Tox. 3 (Dermal) H311 Acute Tox. 3 (Inhalation: dust, mist) H331 Repr. 1B H360 Lact. H362 STOT SE 1 H370

A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to bath variation.

4. First Aid Measures

EMERGENCY OVERVIEW

GENERAL: The effects may be delayed. Keep watching the victim. Show this sheet where possible. Get medical advice/attention if you feel unwell.

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

EYES: Rinse immediately with plenty of water. get immediate medical advice/attention.

SKIN: Take off contaminated clothing, and wash it before reuse. Clothing that has become saturated with the product must be removed immediately because the product is absorbed through the skin. Wash immediately with lots of water (15 minutes)/shower. Get medical advice/attention.

INHALATION: Remove the victim to fresh air. Give oxygen or artificial respiration if necessary. Prompt action is critical. Get immediate medical advice/attention.

INGESTION: Do NOT induce vomiting. Get immediate medical advice/attention. Prompt action is critical.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Symptoms/effects: Toxic if swallowed, in contact with skin or if inhaled. May damage the unborn child. May cause harm to breast-fed children. Causes damage to organs (central nervous system, blood).

Symptoms/effects after inhalation: Toxic if inhaled.

Symptoms/effects after skin contact: Toxic in contact with skin.

Symptoms/effects after eye contact: Direct contact with the eyes is likely to be irritation.

Symptoms/injuries after ingestion: Toxic if swallowed.

INDICATION OF IMMEDIATE MEDICAL ATTENTION & SPECIAL TREATMENT NEEDED:

This material contains methanol, which, when ingested, has caused acidosis, ocular toxicity ranging from diminished visual capacity to complete blindness and death. Symptoms may be delayed.

5. Fire Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Dry chemical powder. Carbon dioxide. Alcohol-resistant foam.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Do not use a water jet since it may cause the fire to spread.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Fire Hazard: Highly flammable liquid and vapor. A methanol fire may not be visible to the naked eye. The vapors are denser than air and may travel along the ground. Distance ignition possible.

Explosion Hazard: Vapors may travel long distances along ground before ignition/flashing back to vapor source.

Reactivity: Upon combustion: CO and CO₂ are formed.

SPECIFIC FIRE-FIGHTING METHODS:

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Cool tanks/drums with water spray/remove them into safety.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures

GENERAL MEASURES:

Eliminate every possible source of ignition. Use special care to avoid static electric charges.

NONEMERGENCY PERSONNEL:

Protective Equipment: Protective goggles. Gloves. Protective clothing.

Emergency Procedures: Evacuate unnecessary personnel. No naked flames or sparks. Only qualified personnel equipped with suitable protective equipment may intervene.

EMERGENCY PERSONNEL:

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Stop release. Ventilate area.

ENVIRONMENTAL PRECAUTIONS:

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

METHODS & MATERIAL FOR CONTAINMENT & CLEANUP:

For Containment: Contain released substance, pump into suitable containers. Eliminate every possible source of ignition.

Methods for Cleaning Up: This material and its container must be disposed of in a safe way and as per local legislation. Take up liquid spill into inert absorbent material, e.g. sand/earth. Clean contaminated surfaces with a soap solution.

REFERENCE TO OTHER SECTIONS:

No additional information available.

7. Handling and Storage

SAFE HANDLING:

Handle empty containers with care because residual vapors are flammable. Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin or on clothing. Handle and open the container with care. Keep away from sources of ignition. No smoking. Take precautions against electrostatic charges. Use only outdoors in a well-ventilated area. Remove contaminated clothing immediately, keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof equipment. Do not breathe fume, mist or spray. Hygiene Measures: Wash thoroughly after handling wash contaminated clothing before reuse.

SAFE STORAGE & INCOMPATIBILITIES:

Technical Measures: Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place away from sparks, open flames, excessive heat. Avoid aluminium.

Incompatible Products: Oxidizing agent. Reactive metals (Al, K, Zn....).

Incompatible Materials: Sources of ignition. Heat sources.

Storage Area: Store away from heat. Store in a cool area. Store in a dry area. Store in a well-ventilated place. Keep locked up.

Special Rules on Packaging: Keep only in original container. Meet the legal requirements.

8. Exposure Controls / Personal Protection

methanol (67-56-1)		
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	250 PPM
ACGIH	Remark (ACGIH)	Headache; eye dam; dizziness; nausea.
OSHA	OSHA PEL (TWA) (mg/m ³)	260 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm

APPROPRIATE ENGINEERING CONTROLS:

Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Protective clothing. Protective goggles. Safety glasses.

**OTHER INFORMATION:**

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

9. Physical & Chemical Properties

Physical State:	Liquid.	Explosive Properties:	No data available.
Appearance:	Clear. Dark blue. Liquid.	Oxidizing Properties:	No data available.
Odor:	Methanol.	Vapor Pressure:	No data available.
Odor Threshold:	No data available.	Relative Density:	No data available.
pH:	7 – 9	Relative Vapor Density @ 20°C:	No data available.
Melting Point:	No data available.	Solubility (water):	Soluble in water.
Freezing Point:	No data available.	Log Pow:	No data available.
Boiling Point:	149°F Methanol	Log Kow:	No data available.
Flash Point:	< 70°F Closed Cup	Auto Ignition Temperature:	No data available.
Relative Evap Rate (butyl acetate=1):	No data available.	Decomposition Temperature:	No data available.
Flammability(solid/gas):	No data available.	Viscosity (kinematic):	No data available.
Explosive Limits:	No data available.	Viscosity (dynamic):	No data available.
Specific Gravity/Density:	0.875 g/ml	VOC Content:	<70%

10. Stability & Reactivity Information**REACTIVITY:**

Upon combustion: CO and CO₂ are formed.

CHEMICAL STABILITY:

Highly flammable liquid and vapor. Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

Refer to Section 10 on Reactivity.

CONDITIONS TO AVOID:

Heat. No flames, no sparks. Eliminate all sources of ignition.

INCOMPATIBLE MATERIALS:

Oxidizing agents. Reactive metals (Al, K, Zn ...).

HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information**ACUTE TOXICITY:**

Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation: dust, mist: Toxic if inhaled.

Methanol (67-56-1)	
LD50 dermal rabbit	12,800 mg/kg
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight
ATE CLP (vapors)	128.200 mg/l/4h
ATE CLP (dust, mist)	0.500 mg/l/4h

SKIN CORROSION/IRRITATION:

Not classified.

pH: 7 - 9

SERIOUS EYE DAMAGE/IRRITATION:

Not classified.

pH: 7 - 9

RESPIRATORY OR SKIN SENSITIZATION:

Not classified.

GERM CELL MUTAGENICITY:

Not classified.

CARCINOGENICITY:

Not classified.

REPRODUCTIVE TOXICITY:

May damage fertility or the unborn child. May cause harm to breast-fed children.

SPECIFIC TARGET ORGAN TOXICITY (single exposure):

Causes damage to organs (central nervous system, blood, eyes).

SPECIFIC TARGET ORGAN TOXICITY (repeated exposure):

Not classified.

ASPIRATION HAZARD:

Not classified.

Symptoms/injuries after inhalation:

Toxic if inhaled.

Symptoms/injuries after skin contact:

Toxic in contact with skin.

Symptoms/injuries after eye contact:

Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion:

Toxic if swallowed.

LIKELY ROUTES OF EXPOSURE:

Skin and eye contact. Inhalation. Ingestion.

12. Ecological Information

TOXICITY: No additional information available.

PERSISTENCE AND DEGRADABILITY:

No additional information available.

BIOACCUMULATIVE POTENTIAL:

No additional information available.

13. Disposal Consideration

Dispose of contents/container to comply with local/regional/national regulations.

14. Transportation Information

DOT: UN Number: UN1230

UN Proper Shipping Name: Methanol

Transport Document Description: UN1230 Methanol, 3, II

Transport Hazard Class(es):

Class: 3 – Flammable and combustible liquid 49 CFR 173.120

Subsidiary Risk: -

Label(s): 3-Flammable liquid.

Packing Group (DOT): II – Medium danger.

DOT Packaging Nonbulk (49 CFR 173.xxx): 202

DOT Packaging Bulk (49 CFR 173.xxx): 242

DOT Symbols: D - Proper shipping name for domestic use only, or to and from Canada.

DOT Special Provisions (49 CFR 172.102): IB2, T7, TP2

DOT Packaging Exceptions (49 CFR 173.xxx): 150

DOT Quantity Limitations Passenger Aircraft/rail (49 CFR 173.27): 1 L

DOT Quantity Limitations Cargo Aircraft Only (49 CFR 175.75): 60 L

DOT Vessel Stowage Location: B

DOT Vessel Stowage Other: 40 – Stow “clear of living quarters.”

Emergency Response Guide: 131

Other Information: This product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.306.

ADR: No additional information available.

TRANSPORT BY SEA:

No additional information available.

AIR TRANSPORT:

No additional information available.

**15. Regulatory Information**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Methanol (67-56-1): Subject to reporting requirement of United States SARA Section 313.

CERCLA RQ: 5,000 LB

California Proposition 65: This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm.

16. Other Information

TRAINING ADVICE:

Normal use of this product shall imply use in accordance with the instructions on the packaging.

FULL TEXT OF H-PHRASES:

H225: Highly flammable liquid and vapor

H301: Toxic if swallowed

H311: Toxic in contact with skin.

H331: Toxic if inhaled.

H360: May damage fertility or the unborn child.

H362: May cause harm to breast-fed children.

H370: Causes damage to organs.

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.