

Safety Data Sheet

PROFROST I-30

SDS Revision Date: 12/12/2022



1. Identification

1.1. Product identifier

Product Identity

PROFROST I-30

Alternate Names

35-749, Profrost I-30, Propylene Glycol 30% Solution Ratio, Chiller, Anti-Freeze, Heat Transfer Fluid with Corrosion Inhibitor, 5 gallon

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use

It is designed to work with chillers, refrigeration systems, process cooling, food processing, thermal storage, computer cooling rooms, solar systems, heating & cooling loops, sprinkler, and radiant heating systems.

Application Method

Read all precautions and instructions carefully before and after use.

1.3. Details of the supplier of the safety data sheet

Company Name

ComStar International Inc.
20-47 128th Street,
College Point, NY 11356

Telephone No.

718-445-7900
800-328-0142
Fax: 718-353-5998

Emergency 24 HR response No: 1-800-424-9300 & 703-527-3887 CHEMTREC

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure, or accident. Please direct all other inquiries to our customer service phone number.

2. Hazard(s) identification

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

None required

Hazards not otherwise classified (HNOC)

None identified

Safety Data Sheet

PROFROST I-30

SDS Revision Date: 12/12/2022



3. Composition/information on ingredients

| Ingredient/Chemical Designations | Weight % | GHS Classification |
|--|----------|--------------------|
| PROPYLENE GLYCOL CAS#:57-55-6 | 30 | Not classified |
| CORROSION INHIBITORS TSR#80100075-5002P | <15 | Not classified |
| DE-IONIZED WATER CAS# (N/A) | Balance | Not classified |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

| | |
|-------------------|---|
| Inhalation | Remove to fresh air. Get medical attention immediately if symptoms occur. If not breathing, give artificial respiration. |
| Eyes | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. |
| Skin | Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur. |
| Ingestion | Do not induce vomiting. Get medical attention immediately if symptoms occur. |

4.2. Most important symptoms and effects, both acute and delayed

No information available.

Notes to Physician

Treat symptomatically

5. Fire-fighting measures

5.1. Suitable Extinguishing media

Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam

Unsuitable Extinguishing media

No information available

Flash Point

99 °C / 210

Method

No information

Autoignition Temperature

Safety Data Sheet

PROFROST I-30

SDS Revision Date: 12/12/2022



400 °C / 752 °

Explosion Limit

Upper 12.6 vol %

Lower 2.6 vol %

Sensitivity to Mechanical Impact

No information available

Sensitivity to Static Discharge

No information available

5.2. Special hazards arising from the substance or mixture

Keep product and empty container away from heat and sources of ignition. Thermal decomposition can lead to release of irritating gases and vapors

5.3. Hazardous Combustion Products

Carbon monoxide (CO). Carbon dioxide (CO₂)

Protective Equipment and Precautions for Firefighter

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health
2

Flammability
1

Instability
1

Physical hazards
N/A

6. Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment as required. Ensure adequate ventilation.

6.2. Environmental precautions

Should not be released into the environment. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed

7. Handling and storage

7.1. Precautions for safe handling

Ensure adequate ventilation. Wear personal protective equipment/face protection

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame. Incompatible Materials. Strong oxidizing agents. Acids.

8. Exposure controls and personal protection

8.1. Control parameters

Safety Data Sheet

PROFROST I-30

SDS Revision Date: 12/12/2022



Exposure

| CAS No. | Ingredient | Source | Value |
|---------|------------------------|----------|----------------------|
| 57-55-6 | PROPYLENE GLYCOL | OSHA | 150 ppm |
| | | ACGIH | 150 ppm |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| N/A | CORROSION INHIBITORS | OSHA | 150 ppm |
| | | ACGIH | 150 ppm |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| | | Supplier | No Established Limit |
| N/A | DE-IONIZED WATER (N/A) | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|---------|------------------------|--------|--|
| 57-55-6 | PROPYLENE GLYCOL | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| N/A | CORROSION INHIBITORS | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| N/A | DE-IONIZED WATER (N/A) | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

8.2. Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirators, if exposure limits are exceeded or if irritation or other symptoms are experienced.

Safety Data Sheet

PROFROST I-30

SDS Revision Date: 12/12/2022



| | |
|-----------------------------|--|
| Eyes/face protection | Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166 |
| Skin/body protection | Wear appropriate protective gloves and clothing to prevent skin exposure. |
| Hygiene Measures | Handle in accordance with good industrial hygiene and safety practice. |

9. Physical and chemical properties

| | |
|--|---|
| Appearance | Clear Liquid |
| Odor | Odorless |
| Odor threshold | Not Measured |
| pH | 6.5-7.5 100g/l aq. sol |
| Melting point / freezing point | -60 °C / -76 °F |
| Initial boiling point and boiling range | 187 °C / 368.6 °F |
| Flash Point | 99 °C / 210.2 °F |
| Evaporation rate (Ether = 1) | No information available |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: 2.6 vol% Upper Explosive Limit: 12.6 vol% |
| Vapor pressure (Pa) | 0.13 mbar @ 20 °C |
| Vapor Density | 2.62 (Air = 1.0) |
| Specific Gravity | 1.03-1.04 |
| Solubility in Water | Complete |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | 400 °C / 752 °F |
| Decomposition temperature | Not Measured |
| Viscosity (cSt) | 45 mPa.s at 20 °C |
| Molecular Formula | C3 H8 O |
| Molecular Weight | 76.10 |
| 9.2. Other information | No other relevant information. |

10. Stability and reactivity

10.1. Reactivity

None known, based on information available.

10.2. Chemical stability

Hygroscopic.

Safety Data Sheet

PROFROST I-30

SDS Revision Date: 12/12/2022



10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Incompatible products. Excess heat. Exposure to moist air or water.

10.5. Incompatible materials

Strong Oxidizing agents, Acids

10.6. Hazardous decomposition products

Hazardous polymerization does not occur.

10.7. Hazardous Reactions

None under normal processing.

11. Toxicological information

| Ingredient | Oral LD50, | D LD50, | Inhalation LC50, |
|----------------------------|-------------------|--------------------|-------------------|
| PROPYLENE GLYCOL (57-55-6) | 20 g/kg Rat | 20800 mg/kg Rabbit | No data available |
| CORROSION INHIBITORS | No data available | No data available | No data available |
| De-IONIZED WATER (N/A) | No data available | No data available | No data available |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Toxicologically Synergistic Products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation No information available

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Component | CAS No | IARC | NTP | ACGIH | OSHA | Mexico |
|------------------|---------|------------|------------|------------|------------|------------|
| Propylene glycol | 57-55-6 | Not listed | Not listed | Not listed | Not listed | Not listed |

| Classification | Category | Hazard Description |
|-----------------------------|----------|--------------------|
| Acute toxicity (oral) | --- | Not Applicable |
| Acute toxicity (dermal) | --- | Not Applicable |
| Acute toxicity (inhalation) | --- | Not Applicable |
| Skin corrosion/irritation | --- | Not Applicable |

Safety Data Sheet

PROFROST I-30

SDS Revision Date: 12/12/2022



| | | |
|-------------------------------|-----|----------------|
| Serious eye damage/irritation | --- | Not Applicable |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | --- | Not Applicable |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | --- | Not Applicable |
| STOT-single exposure | --- | Not Applicable |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |
| | | |

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

| Ingredient | Freshwater Algae | Freshwater Fish | Microtox | Water Flea |
|----------------------------|---|--|---|---|
| PROPYLENE GLYCOL (57-55-6) | EC50: = 19000 mg/L, 96h (Pseudokirchneriella subcapitata) | LC50: 41 - 47 mL/L, 96h static (Oncorhynchus mykiss) LC50: = 51400 mg/L, 96h static (Pimephales promelas) LC50: = 51600 mg/L, 96h static (Oncorhynchus mykiss) LC50: = 710 mg/L, 96h (Pimephales promelas) | = 710 mg/L EC50 Photobacterium phosphoreum 30 min | EC50: > 1000 mg/L, 48h Static (Daphnia magna) |
| CORROSION INHIBITOR | No data available | No data available | No data available | No data available |
| De-IONIZED WATER (N/A) | No data available | No data available | No data available | No data available |

12.2. Persistence and degradability

Miscible with water Persistence is unlikely based on information available.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

Safety Data Sheet

PROFROST I-30

SDS Revision Date: 12/12/2022



Will likely be mobile in the environment due to its water solubility.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

| Component | log Pow |
|------------------|---------|
| PROPYLENE GLYCOL | -0.9 |

13. Disposal considerations

13.1. Waste treatment methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

| | DOT (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|----------------------------------|---------------------------------------|---|---------------------------|
| 14.1. UN number | Not Applicable | Not Regulated | Not Regulated |
| 14.2. UN proper shipping name | Not Regulated | Not Regulated | Not Regulated |
| 14.3. Transport hazard class(es) | DOT Hazard Class: Not Applicable | IMDG: Not Applicable Sub Class: Not Applicable | Air Class: Not Applicable |
| 14.4. Packing group | Not Applicable | Not Applicable | Not Applicable |

14.5. Environmental hazards

IMDG Marine Pollutant: No

14.6. Special precautions for user

No further information

15. Regulatory information

United States of America Inventory

| Component | CAS No | TSCA | TSCA Inventory notification - Active-Inactive | TSCA - EPA Regulatory Flags |
|------------------|---------|------|---|-----------------------------|
| Propylene glycol | 57-55-6 | X | Active | -- |

Safety Data Sheet

PROFROST I-30

SDS Revision Date: 12/12/2022



Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

'-' - Not Listed

TSCA 12(b) - Notices of Export Not applicable

International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

| Component | CAS No | DSL | NDSL | EINECS | PICCS | ENCS | ISHL | AICS | IECSC | KECL |
|------------------|---------|-----|------|-----------|-------|------|------|------|-------|------|
| Propylene glycol | 57-55-6 | X | -- | 200-338-0 | X | X | X | X | X | X |

KECL - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)

U.S. Federal Regulation

SARA 313 Not applicable

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act) Not applicable

Clean Air Act Not applicable

OSHA - Occupational Safety and Health Administration Not applicable

CERCLA Not applicable

California Proposition 65 This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Component | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|------------------|---------------|------------|--------------|----------|--------------|
| Propylene glycol | --- | X | X | -- | X |

U.S. Department of Transportation

Reportable Quantity (RQ): N

DOT Marine Pollutant N

DOT Severe Marine Pollutant N

U.S. Department of Homeland Security This product does not contain any DHS chemicals.

Other International Regulations

Safety Data Sheet

PROFROST I-30

SDS Revision Date: 12/12/2022



Mexico - Grade Slight risk, Grade 1

Authorization/Restrictions according to EU REACH

Safety, health, and environmental regulations/legislation specific for the substance or mixture.

| Component | CAS No | OECD HPV | Persistent Organic Pollutant | Ozone Depletion Potential | Restriction of Hazardous Substances (RoHS) |
|------------------|---------|----------|------------------------------|---------------------------|--|
| Propylene glycol | 57-55-6 | Listed | Not applicable | Not applicable | Not applicable |

| Component | CAS No | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements | Rotterdam Convention (PIC) | Basel Convention (Hazardous Waste) |
|------------------|---------|---|--|----------------------------|------------------------------------|
| Propylene glycol | 57-55-6 | Not applicable | Not applicable | Not applicable | Not applicable |

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The opinions expressed are those of qualified experts within ComStar International Inc. We believe that the information contained is current as of the date of the Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of ComStar International Inc., it is the user's obligation to determine the conditions of safe use of the product.

End of Document