

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g)

Printing date 10/08/2025

Reviewed on 10/08/2025

1 Identification

- **Product identifier**
- **Trade name:** FreezeTrol 77-W
- **Product Code:** ETS-200
- **Application of the substance / the mixture**
Non-Chloride side release agent, freeze-conditioning agent, and belt deicer. Compatible with coal.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Envirotech Services, LLC
910 54th Avenue Suite 230
Greeley, CO 80634
(970) 346-3900
- **Information department:** Product safety department
- **Emergency telephone number:** CHEMTREC: (800) 424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Non-Regulated Material
- **Hazard pictograms** Non-Regulated Material
- **Signal word** Non-Regulated Material
- **Hazard statements** Non-Regulated Material
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 0
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**

HEALTH	0
FIRE	0
REACTIVITY	0

Health = 0
Fire = 0
Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

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Components:	
Proprietary Organic Freeze Point Depressant	Proprietary%
Proprietary Organic Deicer	Proprietary%
Non-hazardous components	
CAS: 7732-18-5 Water	Proprietary%
Proprietary Penetrating Additive	Proprietary%
Proprietary Water Extending Additive	Proprietary%

Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-aid measures

Description of first aid measures

General information: No special measures required.

After inhalation:

Generally this product does not irritate with inhalation.
If respiratory irritation occurs, consult a doctor.

After skin contact:

Wash with soap and water.
If skin irritation occurs, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse mouth out and then drink plenty of water.
Do not induce vomiting without medical advice.
If vomiting does occur, repeat fluid administration.
If irritation or discomfort occurs, consult a doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:

Product is not flammable.
Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents: Not applicable.

Special hazards arising from the substance or mixture No further relevant information available.

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· Advice for firefighters

· Protective equipment:

As in any fire, wear self-contained breathing apparatus pressure demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

* 6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes, skin, and clothing.

· Environmental precautions: Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· Protective Action Criteria for Chemicals

· PAC-1:

Proprietary Organic Freeze Point Depressant	30 mg/m ³
Proprietary Organic Deicer	30 mg/m ³
Proprietary Water Extending Additive	30 mg/m ³

· PAC-2:

Proprietary Organic Freeze Point Depressant	1,300 mg/m ³
Proprietary Organic Deicer	280 mg/m ³
Proprietary Water Extending Additive	330 mg/m ³

· PAC-3:

Proprietary Organic Freeze Point Depressant	7,900 mg/m ³
Proprietary Organic Deicer	1,700 mg/m ³
Proprietary Water Extending Additive	2,000 mg/m ³

* 7 Handling and storage

· Handling:

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

· Information about protection against explosions and fires: No special measures required.

· Conditions for safe storage, including any incompatibilities

Store away from strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

· Storage:

· Requirements to be met by storerooms and receptacles: No special requirements.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions: None.

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- **Specific end use(s)** No further relevant information available.

* **8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see section 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

Proprietary Organic Freeze Point Depressant

WEEL | Long-term value: 10 mg/m³

Proprietary Organic Deicer

WEEL | Long-term value: 10 mg/m³

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Avoid contact with eyes, skin, and clothing.

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

- **Breathing equipment:** Not required.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Safety glasses

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· Body protection:



Protective work clothing

* 9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Liquid
Color:	Colorless
Odor:	Mild
Odor threshold:	Not determined.

pH-value at 20 °C (68 °F):	7.5–8.5
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· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	>100 °C (>212 °F)

Flash point:	Not applicable.
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Flammability:	Not applicable.
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Decomposition temperature:	Not determined.
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Ignition temperature:	Product is not selfigniting.
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Danger of explosion:	Product does not present an explosion hazard.
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· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapor pressure at 20 °C (68 °F):	<23.4 hPa (<17.6 mm Hg)
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Density at 20 °C (68 °F):	1.070–1.090 g/cm³ (8.92915–9.09605 lbs/gal)
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Relative density	Not determined.
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Vapor density	Not determined.
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Evaporation rate	Not determined.
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Solubility in / Miscibility with Water:	Fully miscible.
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Partition coefficient (n-octanol/water):	Not determined.
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Viscosity:	Not determined.
Dynamic:	Not determined.

Kinematic:	Not determined.
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Other information	No further relevant information available.
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10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Extreme temperatures.
- **Incompatible materials:** Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

Proprietary Organic Freeze Point Depressant		
Oral	LD50	2,000 mg/kg (rat)
Dermal	LD50	20,800 mg/kg (rabbit)
Proprietary Organic Deicer		
Oral	LD50	8,471 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients are listed.

- **NTP (National Toxicology Program)**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients are listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.

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- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

* 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Observe all federal, state, and local environmental regulations when disposing of this material.
Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· UN-Number	
· DOT, ADR, IMDG, IATA	Non-Regulated Material
· UN proper shipping name	
· DOT, ADR, IMDG, IATA	Non-Regulated Material
· Transport hazard class(es)	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Non-Regulated Material
· Packing group	
· DOT, ADR, IMDG, IATA	Non-Regulated Material
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	Non-Regulated Material

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* 15 Regulatory information

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

No further relevant information available.

· Sara

· Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

Proprietary Water Extending Additive

· TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

· Hazardous Air Pollutants

None of the ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

Proprietary Organic Deicer

II

· TLV (Threshold Limit Value)

None of the ingredients are listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients are listed.

· GHS label elements Non-Regulated Material

· Hazard pictograms Non-Regulated Material

· Signal word Non-Regulated Material

· Hazard statements Non-Regulated Material

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that Envirotech Services, LLC believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of Envirotech Services, LLC's control, Envirotech Services, LLC makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to

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infringe upon, any patents.

- **Department issuing SDS:** Lab
- **Contact:** -
- **Date of preparation / last revision** 10/08/2025 / -
- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

- * **Data compared to the previous version altered.**

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