

SAFETY DATA SHEET

F-JS-075/076

Pine-O-Cleaner

SECTION 1 - Identification

PRODUCT IDENTITY: Pine-O-Cleaner**CORNHUSKER STATE INDUSTRIES**
800 PIONEERS BLVD
LINCOLN, NEBRASKA 68502
PHONE: 800-348-7537 or 402-471-4597**PRODUCT NUMBER:** F-JS-075/076**Emergency Phone Number**
CHEMTREC
1-800-424-9300**Recommended Use:** Cleaner/Degreaser**Restrictions on Use:** None known.

SECTION 2 – Hazard(s) Identification

Physical Hazards: Flammable liquids

Category 3

Health Hazards: Acute Toxicity, oral:

Not classified

Acute Toxicity, dermal:

Not classified

Skin corrosion/irritation:

Category 2

Serious eye damage/eye irritation:

Category 2A

OSHA defined hazards: Not classified**Label Elements****Signal Word:** Warning**Hazard statement:** Flammable liquid and vapor. Causes serious eye irritation. Causes skin irritation.**Prevention:** Keep away from heat/sparks/open flames/hot surface.-No smoking. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wear safety glasses with side shields (or goggles). Wear protective gloves. Wash hands thoroughly after handling.**Response:** **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. In case of fire: Use appropriate media to extinguish.**Storage:** Store in a well-ventilated place. Keep cool. Store away from incompatible materials. Keep out of reach of children.**Disposal:** Dispose of waste and residues in accordance with local authority requirements.**Hazard(s) not otherwise classified (HNOC):** None Known**Supplemental information:** None Known

SECTION 3 – Composition/ Information on Ingredients

Mixtures Chemical name	CAS number	% by weight
2-Propanol	67-63-0	5 - <10
Pine Oil	8002-09-3	5 - <10
Dodecylbenzene	27177-77-1	1 - <5
Non-ionic Surfactant*	Proprietary*	1 - <5
Triethanolamine	102-71-6	1 - <5

SECTION 4 – First-aid Measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin Contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Ingestion: Rinse mouth. Get medical attention if symptoms develop or persist.

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Notes to physician: Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

Most important symptoms/effects acute & delayed: Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

General information: Take off all contaminated clothing immediately. Ensure that medical personal are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

SECTION 5 – Firefighting Measures

Suitable Extinguishing Media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

Special protective equipment & precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6 – Accidental Release Measures

Personal precautions, protective equipment & emergency procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, or sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Ventilate closed spaces before entering them. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up:

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

SECTION 7 – HANDLING & STORAGE

Precautions for safe handling: Vapors may form explosive mixtures with air. Do not handle, store or open near and open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not smoke. Take precautionary measures against static discharges. Use non-sparking tools and explosion-proof equipment. Avoid contact with skin. Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling.

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Conditions for safe storage, including any incompatibilities: Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in closed container away from incompatible materials. Store in cool, dry place out of direct sunlight. Store away from incompatible materials (see section 10 of the SDS). Keep out of the reach of children.

SECTION 8 – Exposure Controls/Personal Protection

US. ACGIH Threshold Limit Values

Components	Type	Value
2-Propanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m ³

Control parameters

US. OSHA Table Z-1 limits for air contaminants (29 CFR 1910.1000)

Components	Type	Value
2-Propanol (CAS 67-63-0)	PEL	980 mg/m ³ 440 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
2-Propanol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

*-For sampling details, please see the source document.

Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas. Provide eyewash station.

Individual protection measures, such as a personal protective equipment

Eye/face protection: Wear safety glasses with side shield (or goggles).

Skin protection: Hand protection: Wear appropriate chemical resistant gloves.

Respiratory protection: When workers are facing concentrations above the exposure limit must use appropriate certified respirators.

General hygiene considerations: When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and or/smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9 – Physical and Chemical Properties

Appearance: Clear to slightly hazy

Form: Liquid

Color: Amber

Odor: Pine

Odor Threshold: Not available

pH: 8.7

Melting point/freezing point: >32° F (>0° C)

Boiling point: Not available

Flash point: 102.0° F (38.9° C) Pensky-Martens
Closed Cup

Evaporation rate: Not available

Flammability (solid/gas): Not available

Upper/lower flammability or explosive limits

Flammability limit – lower (%): Not available

Flammability limit – upper (%): Not available

Vapor pressure: Not available

Vapor density: Not available

Solubility (ies)

Solubility (Water): 100%

Partition coefficient (n-octanol/water): Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Not available

Specific gravity: 1

VOC (Weight %): 12%

SECTION 10 – Stability & Reactivity

Reactivity: The product is stable and non-reactive under normal conditions if use, storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to Avoid: Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials: Acids. Strong oxidizing agents. Isocyanates. Chlorine.

Hazardous decomposition products: No hazardous decomposition products are known.

SECTION-11 - TOXICOLICAL Information

Toxicological data

Product

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Test Results

Acute Dermal LD50 Rabbit: >5000 mg/kg
Acute Oral LD50 Rat: >5000 mg/kg

Information on likely routes of exposure

Eye contact: Causes serious eye irritation.

Skin Contact: Causes skin reaction.

Prolonged or repeated exposure may cause liver and kidney damage. These affects have not been observed in humans.

Ingestion: Expected to be a low ingestion hazard.

Inhalation: Prolonged inhalation may be harmful.

Symptoms related to the physical, chemical and toxicological characteristics: Symptoms may include stinging, tearing, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Carcinogenicity: This product is not considered to be a carcinogen by **ARC, ACGIH, NTP, or OSHA.**

IARC Monographs. Overall Evaluation of Carcinogenicity

Triethanolamine (CAS 102-71-6)

3 Not classified as to carcinogenicity to humans.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

Chronic effects: Prolonged or repeated exposure may cause liver and kidney damage. These affects have not been observed in humans

Toxicological information: Occupational exposure to the substance or mixture may cause adverse effects.

SECTION 12 – ECOLOGICAL INFORMATION

N/A

SECTION 13 – DISPOSAL CONSIDERATIONS

N/A

SECTION 14 – TRANSPORT INFORMATION

N/A

SECTION 15 _ REGULATORY INFORMATION

N/A

SECTION 16 – OTHER INFORMATION

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Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release.