

ISSUE DATE: September 2013

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VERSION: 1

## 1. IDENTIFICATION

### PRODUCT IDENTIFIER

PRODUCT NAME PINE CLEAN

### OTHER MEANS OF IDENTIFICATION

Product Code A4

Recommended Uses purpose cleaner

### SDS-SUPPLIER INFORMATION

SUPPLIER ADDRESS E-ZOIL Products, Inc.  
**DBA Emulso**  
2750 Kenmore Avenue  
Tonawanda, NY 14150

### EMERGENCY TELEPHONE NUMBER

COMPANY PHONE NUMBER (716) 854-2889  
COMPANY FAX NUMBER (716) 854-2809  
24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)  
NORTH AMERICA 800-535-5053  
INTERNATIONAL 352-323-3500

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION

Skin irritation Category 3  
Eye irritation Category 2A

SIGNAL WORD Warning

### HAZARD STATEMENTS



HAZARD STATEMENTS 1. Causes mild skin irritation.  
2. Causes serious eye irritation.

APPEARANCE Light amber liquid PHYSICAL STATE Liquid

## PRECAUTIONARY STATEMENTS

<b>PREVENTION</b>	Wear protective gloves/protective clothing/eye protection/face protection. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Keep out of reach of children.
<b>RESPONSE</b>	Immediately call poison center or doctor/ physician.
<b>IF SWALLOWED</b>	Call POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
<b>IF IN EYES</b>	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.
<b>IF ON SKIN/HAIR</b>	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse.
<b>IF INHALED</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a poison center or doctor/physician if you feel unwell.
<b>IF EXPOSED/CONCERNED</b>	Get medical advice/ attention.
<b>STORAGE</b>	Store locked-up in a closed container. Keep away from children.
<b>DISPOSAL</b>	Dispose of contents/container to an approved waste disposal plant.
<b>HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)</b>	Contains an ingredient listed under IARC Group 3 status.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %
Tall oil	8002-26-4	0-20
Pine oil	8002-09-3	0-5
Isopropanol	67-63-0	0-5
Water	7732-18-5	80-90

## 4. FIRST-AID MEASURES

### DESCRIPTION OF FIRST AID MEASURES

<b>GENERAL ADVICE</b>	Provide this SDS to medical personnel for treatment.
<b>EYE CONTACT</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

<b>SKIN CONTACT</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
<b>INHALATION</b>	Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call poison center or doctor/ physician.
<b>INGESTION</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink 1-2 glasses of water. Immediate medical attention is required.

## POTENTIAL ACUTE HEALTH EFFECTS

*Most important symptoms and effects, both acute and delayed*

**SYMPTOMS** Causes skin irritation. Causes eye irritation.

**NOTES TO PHYSICIAN** Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**UNSUITABLE EXTINGUISHING MEDIA** None known

**SPECIFIC HAZARDS ARISING FROM CHEMICAL** Not determined

## PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

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

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**PERSONAL PRECAUTIONS** Use personal protective equipment as required.  
**ENVIRONMENTAL PRECAUTIONS** Avoid discharges into open waterways. Avoid discharge to soil.

### METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

**CONTAMINATION** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterway s, sewers, or conned areas. Absorb with dry earth, sand or other noncombustible material and transfer to containers.

**CLEAN-UP** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

**PROTECTIVE MEASURES** Wear eye protection, rubber gloves when handling concentrate.

### CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

**STORAGE CONDITIONS** Keep away from children.

**INCOMPATIBLE MATERIALS** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropanol	TWA: 200 ppm TWA: 490 mg/m <sup>3</sup> STEL: 400 ppm STEL: 960 mg/m <sup>3</sup>	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup>	-

**ENGINEERING CONTROLS:** Apply technical measures to comply with the occupational exposure limits.

### INDIVIDUAL PROTECTION MEASURES

**EYE/FACE PROTECTION** Safety glasses with side shields.  
**SKIN/BODY PROTECTION** Rubber or other chemical resistant gloves.  
**RESPIRATORY PROTECTION** No special requirements.  
**GENERAL HYGIENE** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE</b>	Liquid
<b>APPEARANCE</b>	According to product specification
<b>COLOR</b>	Green
<b>ODOR</b>	Pine
<b>ODOR THRESHOLD</b>	Not determined
<b>pH</b>	11.5 to 12.0
<b>MELTING POINT/FREEZING POINT</b>	32° F; 0°C
<b>BOILING POINT/BOILING RANGE</b>	~ 100°C (212°F)
<b>FLASH POINT</b>	> 93.3°C (200°F)
<b>EVAPORATION RATE</b>	(Water =1) 1.0
<b>FLAMMABILITY (SOLID, GAS)</b>	Not determined
<b>UPPER FLAMMABILITY LIMITS</b>	Not determined
<b>LOWER FLAMMABILITY LIMITS</b>	Not determined
<b>VAPOR PRESSURE</b>	20 mm Hg at (68°F)
<b>SPECIFIC GRAVITY</b>	0.987 grams/ml.
<b>RELATIVE DENSITY</b>	8.24 at (68°F)

**WATER SOLUBILITY** Dispersible  
**PARTITION COEFFICIENT** Not determined  
**N-OCTANOL/ WATER** Not determined  
**AUTO-IGNITION TEMPERATURE** Not determined  
**DECOMPOSITION TEMPERATURE** Not determined  
**VISCOSITY** Water thin.

## 10. STABILITY AND REACTIVITY

**REACTIVITY** Not reactive under normal conditions  
**CHEMICAL STABILITY** Stable under recommended storage conditions  
**POSSIBILITY OF HAZARDOUS REACTIONS** None under normal processing  
**CONDITIONS TO AVOID** Keep out of reach of children  
**INCOMPATIBLE MATERIALS** Strong acids, oxidizers.  
**HAZARDOUS DECOMPOSITION PRODUCTS** None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

*Information on likely routes of exposure.*

**EYE CONTACT** Causes severe eye damage.  
**SKIN CONTACT** Avoid contact with skin.  
**INHALATION** Avoid breathing vapors or mists.  
**INGESTION** May be harmful if swallowed.

### COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Tall Oil	>2000 mg/kg	-	-
Pine Oil	2760 mg/kg (rat)	-	-
Isopropanol	5045 mg/kg (rat)	12800 mg/kg (rabbit)	16000 ppm

**SYMPTOMS** Please see section 4 of this SDS for symptoms.

**CARCINOGENICITY** None Known

**NUMERICAL MEASURES OF TOXICITY-PRODUCT** Not determined.



## 12. ECOLOGICAL INFORMATION

<b>ECOTOXICITY</b>	Not established
<b>PERSISTENCE AND DEGRADABILITY</b>	Not determined
<b>BIOACCUMULATION</b>	Not determined
<b>OTHER ADVERSE EFFECTS</b>	Not determined

## 13. DISPOSAL CONSIDERATIONS

### WASTE TREATMENT METHODS

<b>WASTE DISPOSAL</b>	Small amounts (less than 5 gallons) may be disposed of in sanitary sewer. Consult local authorities for additional disposal information. For large spills, Consult with local and state authorities for large volume disposal.
<b>CONTAMINATED PACKAGING</b>	Rinse container with clear water. Offer container for recycling, or dispose of in trash.

## 14. TRANSPORT INFORMATION

### DOT

Not regulated

### IATA

Not regulated

### IMDG

Not regulated

## 15. REGULATORY INFORMATION

### LEGEND

**TSCA** United States Toxic Substances Control Act Section 8(B) Inventory

## U.S. FEDERAL REGULATIONS

### CERCLA

This material, as supplied, does not contain any substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

### SARA 313/312 HAZARD CATEGORIES

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.



## Safety Data Sheet

### U.S. STATE REGULATIONS

#### U.S. STATE RIGHT-TO-KNOW REGULATIONS

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
Isopropanol 67-63-0	X	X	X

### 16. OTHER INFORMATION

NFPA	HEALTH HAZARDS	FLAMMABILITY	INSTABILITY	SPECIAL HAZARDS
	2	1	Not determined	Not determined
HMIS	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS	PERSONAL PROTECTION
	2	1	Not determined	B

### DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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.

**END OF SAFETY DATA SHEET**