

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 1-800-633-8253
INTERNATIONAL PERS 1-801-629-0667

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

PREVENTION	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.
RESPONSE	Immediately call poison center or doctor/ physician.
IF SWALLOWED	Call POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
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/HAIR	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse.
IF INHALED	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.
IF EXPOSED/CONCERNED	Get medical advice/ attention.
STORAGE	Store locked-up in a closed container. Keep away from children.
DISPOSAL	Dispose of contents/container to an approved waste disposal plant.
HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)	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

GENERAL ADVICE	Provide this SDS to medical personnel for treatment.
EYE CONTACT	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.

SKIN CONTACT	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.
INHALATION	Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call poison center or doctor/ physician.
INGESTION	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 ³ STEL: 400 ppm STEL: 960 mg/m ³	TWA: 400 ppm TWA: 980 mg/m ³	-

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

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

ECOTOXICITY	Not established
PERSISTENCE AND DEGRADABILITY	Not determined
BIOACCUMULATION	Not determined
OTHER ADVERSE EFFECTS	Not determined

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

WASTE DISPOSAL	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.
CONTAMINATED PACKAGING	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.



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