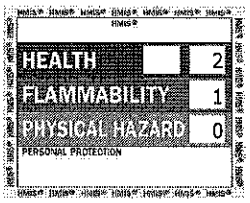
Material Safety Data Sheet

PRO PEN



1. Product and Company Identification

Material name	**PRO PEN**
Patent Number	Not available
Revision date	April-01-2011
Version No.	4
CAS #	Mixture
Manufacturer information	Clearwater™ International L.L.C. 4420 South Flores Road Elmendorf, TX 78112 US CHEMTREC 1-800-424-9300/703-527-3887
Emergency	CHEMTREC 1-800-424-9300/703-527-3887
Supplier information	Producers Service Corp. 109 South Graham St. Zanesville, OH 43701 US
Supplier emergency telephone number(s)	24hr customer Service 740-454-6253

2. Hazards Identification

Emergency overview	Health injuries are not known or expected under normal use.
OSHA regulatory status	This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
Potential health effects	
Ingestion	Do not ingest. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Potential environmental effects	Components of this product are hazardous to aquatic life. May cause long-term adverse effects in the environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
2-Ethylhexanol	104-76-7	40 - 70
Dodecylbenzenesulfonate isopropanolamine	42504-46-1	30 - 60

4. First Aid Measures

First aid procedures

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

Skin contact	Wash off with soap and water. Get medical attention if irritation develops or persists.
Inhalation	Move to fresh air. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice.
General advice	If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties	Combustible by OSHA criteria. Containers may explode when heated. Runoff to sewer may cause fire or explosion hazard.
Extinguishing media	
Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Protection of firefighters	
Protective equipment and precautions for firefighters	In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do it without risk. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

6. Accidental Release Measures

Personal precautions	Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away. Stay upwind. Keep out of low areas.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
Methods for containment	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Should not be released into the environment. Large Spills: Dike far ahead of liquid spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. After removal flush contaminated area thoroughly with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. Never return spills in original containers for re-use.

7. Handling and Storage

Handling	Do not breathe dust/fume/gas/mist/vapors/spray. Use only with adequate ventilation. Avoid release to the environment. Wash thoroughly after handling. Avoid prolonged exposure.
Storage	Store in a closed container away from incompatible materials. Store in accordance with local/regional/national/international regulation.

8. Exposure Controls / Personal Protection

Engineering controls	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	
General hygeine considerations	When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance	Liquid.
Color	clear, Orange
Odor	Not available.
Odor threshold	Not available
Physical state	Liquid.
Form	Liquid.
pH	7 - 8.5
Melting point	30.2 °F (-1.38 °C) estimated
Freezing point	Not available
Boiling point	194 °F (90.28 °C) estimated
Flash point	150 °F (65.6 °C)
Evaporation rate	Not available
Flammability	Not available.
Flammability limits in air, upper, % by volume	3.4154 % estimated
Flammability limits in air, lower, % by volume	0.5077 % estimated
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	0.9 - 0.94
Relative density	0.9199 g/cm3 estimated
Solubility (water)	Not available
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	257 °F (125 °C) estimated
Decomposition temperature	Not available
VOC	46.15 % estimated

10. Chemical Stability & Reactivity Information

Chemical stability Stable at normal conditions.

Conditions to avoid Heat, flames and sparks.

Incompatible materials May form explosive mixtures with air. Amines. Isocyanates. Strong acids. Caustics.

11. Toxicological Information

Acute effects Acute LD50: 8082 mg/kg estimated, Rat, Oral
Acute LD50: 6500 mg/kg estimated, Rat, Dermal

Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s

2-Ethylhexanol	104-76-7	Oral LD50 Rat: 1516-2774 mg/kg

Sensitization Not expected to be hazardous by OSHA criteria.

Chronic effects Not expected to be hazardous by OSHA criteria.

Carcinogenicity Not expected to be hazardous by OSHA criteria.

Neurological effects Not expected to be hazardous by OSHA criteria.

Further information This product has no known adverse effect on human health.

12. Ecological Information

Ecotoxicity LC50 617.5 mg/L, Acarta Tonsa, 48.00 Hours,
NOEC 355.6 mg/L, Acarta Tonsa, 48.00 Hours,
LC50 1000 mg/L, Scophthalmus Maximus, 96.00 Hours,

Ecotoxicity - Freshwater Algae Data

2-Ethylhexanol	104-76-7	72 Hr EC50 Scenedesmus subspicatus: 11.5 mg/L

Ecotoxicity - Freshwater Fish Species Data

2-Ethylhexanol	104-76-7	96 Hr LC50 Oncorhynchus mykiss: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 27-29.5 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 29.7 mg/l [static]

Ecotoxicity - Water Flea Data

2-Ethylhexanol	104-76-7	48 Hr EC50 Daphnia magna: 39 mg/L

Environmental effects Harmful to aquatic life.

Ecotoxicity - Freshwater Algae Data

2-Ethylhexanol	104-76-7	72 Hr EC50 Scenedesmus subspicatus: 11.5 mg/L

Ecotoxicity - Freshwater Fish Species Data

2-Ethylhexanol	104-76-7	96 Hr LC50 Oncorhynchus mykiss: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 27-29.5 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 29.7 mg/l [static]

Ecotoxicity - Water Flea Data

2-Ethylhexanol	104-76-7	48 Hr EC50 Daphnia magna: 39 mg/L

13. Disposal Considerations

Disposal instructions Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

14. Transport Information

Department of Transportation (DOT) Requirements

Bulk

Basic shipping requirements:	
Proper shipping name	Combustible liquid, n.o.s. (2-ETHYLHEXANOL)
Hazard class	Comb liq
Subsidiary hazard class	None
UN number	NA1993
Packing group	III
Additional information:	
Special provisions	IB3, T1, T4, TP1
Packaging exceptions	150
Packaging non bulk	203
Packaging bulk	241

Canadian Transportation of Dangerous Goods (TDG) Requirements

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

15. Regulatory Information

Labelling

Contains	2-Ethylhexanol, Dodecylbenzenesulfonate isopropanolamine
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

FEMA (Flavor and Extract Manufacturers Association) - FEMA Numbers

2-Ethylhexanol	104-76-7	3151

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical	Yes

CERCLA (Superfund) reportable quantity

Dodecylbenzenesulfonate isopropanolamine: 1000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance	No

Section 311 hazardous chemical Yes

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

International regulations

Canada - WHMIS - Ingredient Disclosure List

2-Ethylhexanol	104-76-7	1 %

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. - Massachusetts - Right To Know List

2-Ethylhexanol	104-76-7	Present
Dodecylbenzenesulfonate isopropanolamine	42504-46-1	Present

U.S. - New Jersey - Right to Know Hazardous Substance List

Dodecylbenzenesulfonate isopropanolamine	42504-46-1	sn 3026

U.S. - Pennsylvania - RTK (Right to Know) List

2-Ethylhexanol	104-76-7	Present
Dodecylbenzenesulfonate isopropanolamine	42504-46-1	Environmental hazard

U.S. - Texas - Effects Screening Levels - Long Term

2-Ethylhexanol	104-76-7	14 ppb ESL (odor); 74 µg/m3 ESL (odor)
Dodecylbenzenesulfonate isopropanolamine	42504-46-1	2 µg/m3 ESL

U.S. - Texas - Effects Screening Levels - Short Term

2-Ethylhexanol	104-76-7	140 ppb ESL (odor); 740 µg/m3 ESL (odor)
Dodecylbenzenesulfonate isopropanolamine	42504-46-1	20 µg/m3 ESL

16. Other Information

HMIS® ratings
Health: 2
Flammability: 1
Physical hazard: 0

NFPA ratings
Health: 2
Flammability: 1
Instability: 0

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