

MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT PropPurr™

MSDS DATE: 7/13/17

SECTION 4: FIRST AID MEASURES

EYES: Rinse thoroughly with plenty of water for at least 15 minutes.

SKIN: Wash off with soap and plenty of water.

INGESTION: Do not induce vomiting. If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

EXPLOSION LIMITS: Lower: 0.88% V Upper: 9.7% V (2-Ethyl 1-Hexanol)

FLASH POINT:

F: 186

C: 86

METHOD USED: ASTM D56 Closed Cup

IGNITION TEMPERATURE: No data available (2-Ethyl 1-Hexanol)

EXTINGUISHING MEDIA: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer!

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Keep tightly closed. Keep away from heat and open flame. Store in a cool dry place. Hygroscopic and light sensitive.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Contains no substances with occupational exposure limit values.

VENTILATION : Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety Glasses. Gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Brownish clear liquid.

ODOR: Mild sweet.

PHYSICAL STATE: Liquid. Separation may occur when cooled. Warm and shake to redissolve components.

BOILING POINT:

F: 361-367

C: 183-186 (2-Ethyl 1-Hexanol)

FREEZING POINT:

F: -105

C: -76 (2-Ethyl 1-Hexanol)

VAPOR PRESSURE (mmHg): 0.2 mmHg 20 °C

VAPOR DENSITY (AIR = 1): 4.5 g/l

LOWER EXPLOSION LIMIT: 0.8 %(V)

PERCENT SOLIDS BY WEIGHT: <10%

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SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY (MATERIAL TO AVOID): Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Reducing agents, Acids

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: No data available.

HAZARDOUS POLYMERIZATION: No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Routes of Entry:

Skin Contact: Mild skin irritation.
Eye Contact: Mild eye irritation.
Ingestion: Harmful if swallowed.

Sensitization: No data available

Toxicity to Animals: 2-Ethyl 1-Hexanol

Acute toxicity

LD50 Oral - rat – 3,730 mg/kg
LD50 Dermal – rat - >3,000 mg/kg

Irritation and corrosion

Skin - rabbit - Skin irritation – 24 hr
Eyes - rabbit – Moderate eye irritation – 24 hr

Toxicity to Animals: Proprietary Components each with concentration less than 1%.

No data available

Signs and Symptoms of Exposure

Stomach- Irregularities – Based on Human Evidence

SECTION 12: ECOLOGICAL INFORMATION

ACCUMULATION: Readily biodegradable

ECOLOGICAL INFORMATION: 1-Propanediol

Toxicity to fish mortality NOEC - Pimephales promelas (fathead minnow) - 52,930 mg/l - 96 h

Toxicity to daphnia- and other aquatic invertebrates. NOEC - Daphnia - 13,020 mg/l - 48 h

mortality invertebrates. EC50 - Daphnia magna (Water flea) - > 10,000 mg/l - 48 h

LC50 - Daphnia magna (Water flea) - 53.2 mg/l - 21 d
EC50 - Daphnia magna (Water flea) - 133 mg/l - 48 h

ECOLOGICAL INFORMATION: 2-Ethyl 1-Hexanol

LC50 Fish: Species: Leuciscus idus (Golden orfe) – 17.1 mg/l -96 hr

EC50 Algae: Species: Growth inhibition – Chlorella emersonii – 10 – 50 mg/l – 48 hr

EC50 Daphnia: Species: Immobilization EC50 – Daphnia magna (Water Flea) - 39 mg/l - 48 hr

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber.

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SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

DOT

Proper Shipping Name: Combustible liquid, n.o.s. (2-Ethyl 1-Hexanol)
UN#: NA1993
Class: NONE
Packing Group: Packing Group III
Hazard Label: None
PIH: Not PIH

IATA

Not dangerous goods. Non-hazardous for air transport.

IMDG

Not dangerous goods.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components with concentration of greater than 1% are on the TSCA database.

311/312 HAZARD CATEGORIES: Fire Hazard, Acute Health Hazard, Chronic Health Hazard.

313 REPORTABLE INGREDIENTS: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: Apply to prepared surface with small paper towel to wet the surface. Allow to set/dry for at least 30 minutes then wipe off excess material.

PREPARATION INFORMATION: Sand surface with 220-320 grit sandpaper or finer to remove dirt and oxides. Clean surface with solvent (Acetone, Methanol, Denatured Alcohol) soaked towel until fresh surface of towel is visibly clean after wiping surface. Rinse with fresh water and allow to air dry.

DISCLAIMER:

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