

# SAFETY DATA SHEET



Date Prepared : 08/25/2015

MSDS No : 7701

Date-Revised : 08/31/2015

Revision No : 2

## ECOCLEAN REMOVER 770

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ECOCLEAN REMOVER 770**MANUFACTURER**

Tarr, LLC

P.O. Box 12570

Portland, OR 97212

**Product Stewardship:** 503-288-5294

### 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS****Health:**

Acute Toxicity (Oral), Category 4

Skin Irritation, Category 1C

Serious Eye Damage, Category 1

Eye Irritation, Category 1

**Environmental:**

Acute Hazards to the Aquatic Environment, Category 1

Chronic Hazards to the Aquatic Environment, Category 3

**Physical:**

Combustible Liquid, Category 4

**GHS LABEL**

Corrosion

Health  
hazardExclamation  
mark**HAZARD STATEMENTS**

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H370: Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

**PRECAUTIONARY STATEMENT(S)****Prevention:**

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P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash ... thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P307+P311: IF exposed: Call a POISON CENTER or doctor/physician.

**Storage:**

P233: Keep container tightly closed.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P102: Keep out of reach of children.

**Disposal:**

P273: Avoid release to the environment.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Vol. %	CAS
Tetrahydrofurfuryl Alcohol	89 - 91	97-99-4
Filtrez 591	3 - 6	Trade
DDBSA	3 - 6	68584-22-5

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with large amounts of water for at least 15 minutes. Hold the upper and lower eyelids apart while flushing to rinse entire surface of eye and lids with water. Call a physician at once. Continue flushing for an additional 15 minutes if medical attention is not immediately available.

**SKIN:** Immediately remove contaminated clothing and shoes. Flush skin thoroughly with large amounts of running water for at least 15 minutes. Get medical attention if skin is damaged or symptoms persist. Properly discard or decontaminate clothing and shoes before reuse.

**INGESTION:** Call poison control center or get medical help immediately. Only induce vomiting as directed by medical personnel and only if patient is conscious and alert. Never give anything by mouth to an unconscious person.

**INHALATION:** Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Material is a severe eye irritant. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing, redness, swelling and eye damage.

**SKIN:** This material is a skin irritant. Signs and symptoms may include a burning sensation, redness, swelling and/or blisters. Direct contact may cause redness or burning, drying and cracking of the skin.

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**ACUTE EFFECTS:** Aspiration pneumonitis may be evidenced by coughing, choking, wheezing, labored breathing, chest congestion, shortness of breath and/or fever. Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked appearance. Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use water fog, "alcohol" foam, dry chemical, or CO<sub>2</sub>.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Small spills: Absorb with materials such as; cat litter, saw dust, vermiculite. Collect in suitable and properly labeled containers.

**LARGE SPILL:** Large Spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Do not discharge into lakes, streams, ponds or public works. May be toxic to aquatic organisms.

**COMMENTS:** Keep material out of storm sewers and ditches which lead to waterways.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Avoid breathing of or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. For guidance on selection of personal protective equipment see Section 8 of this Material Safety Data Sheet. Use the information in this data sheet as input to risk assessment of local circumstances to help determine appropriate controls for safe handling storage and disposal of this material.

**STORAGE:** Keep containers upright and tightly sealed. Store away from strong oxidizers.

**COMMENTS:** KEEP OUT OF REACH OF CHILDREN!

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Local exhaust and general ventilation must be adequate to meet exposure limit(s).

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. (Consult your safety representative.)

**SKIN:** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

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**RESPIRATORY:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**WORK HYGIENIC PRACTICES:** Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

**COMMENTS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**COLOR:** Brown

**pH:** No data available.

**FLASHPOINT AND METHOD:** Cleveland Open Cup, None to decomposition

**FLAMMABLE LIMITS:** 0 to 0

**SOLUBILITY IN WATER:** Soluble, may gel.

**DENSITY:** 8.81

**SPECIFIC GRAVITY:** 1.06

**VISCOSITY #1:** 1260 at 25°C

**MOLECULAR WEIGHT:** 320

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under ordinary conditions of use and storage.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No data available.

**INCOMPATIBLE MATERIALS:** Strong Oxidizing Agents

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

**DERMAL LD<sub>50</sub>:** > 2000 mg/kg (rabbit)

**ORAL LD<sub>50</sub>:** 1470 mg/kg (rat)

**INHALATION LC<sub>50</sub>:** 375 mg/m<sup>3</sup> (rat), 4 hour(s)

**EYE EFFECTS:** Irritating to eyes.

**SKIN EFFECTS:** Causes severe skin burns.

#### CARCINOGENICITY

**IARC:** Contains sulfuric acid: The International Agency for Research of Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen, (IARC category 1). This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions.

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**ECOCLEAN REMOVER 770****AQUATIC TOXICITY (ACUTE):** Acute Toxicity for Benzenesulfonic Acid, C10-16-alkyl Derivs:Fish: LC50 1.67 mg/l, (Blue Gill (*Lepomis macrochirus*), 96 hrs.)Crustacea: EC50 7.6 mg/l (*Daphnia*), 48 hrs.)

Algae: EC50 0.91mg/l, (algae) 96 hrs.

**COMMENTS:** No known chronic or adverse effects have been associated with repeated exposure to this material (eg. Ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Disposal must be made in accordance with applicable governmental regulations. Do not contaminate any streams, lakes, or ponds.

**EMPTY CONTAINER:** KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous. Empty containers should be taken for local recycling, recovery or waste disposal.

**RCRA/EPA WASTE INFORMATION:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not DOT Regulated for non-bulk packaging less than 119 gallons.

**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** None

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

**313 REPORTABLE INGREDIENTS:** None

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** Listed.

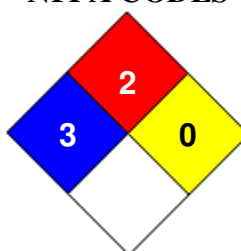
**16. OTHER INFORMATION**

**PREPARED BY:** Compliance **Date-Revised:** 08/31/2015

**REVISION SUMMARY:** This MSDS replaces the 08/31/2015 MSDS.

**HMIS RATING**

<b>HEALTH</b>	<input type="text"/>	<b>3</b>
<b>FLAMMABILITY</b>	<input type="text"/>	<b>2</b>
<b>PHYSICAL HAZARD</b>	<input type="text"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input type="text"/>	

**NFPA CODES**

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**NFPA STORAGE CLASSIFICATION:** These ratings are part of a specific hazard communication program and should be disregarded where individuals are not trained in the use of this hazard rating system. You should be familiar with the hazard communication programs applicable to your workplace.

**HMIS RATINGS NOTES:** The HMIS rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in the SDS must be considered.

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