

# Material Safety Data Sheet

May be used to comply with  
 OSHA's Hazard Communication Standard  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.



## PRODUCT IDENTITY – SECTION I

Product Name: <b>TUFF RELEASE</b> CAS #: See below Manufacturer: Arcal Chemicals, Inc. Address: 223 Westhampton Avenue Capitol Heights, MD 20743	Emergency Tel: Chem Trec 800-424-9300 Revision Date: January 1, 2010 Tel: 301-336-9300 Fax: 301-336-6597 Website: www.arcalchem.com
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## HAZARDOUS INGREDIENTS / OTHER COMPONENTS – SECTION II

MATERIAL / CAS #	%	ACGIH (TLV – TWA)	OSHA (PEL -TWA)
Medium Aliphatic (C9 - C12) CAS #64742-88-7 All other ingredients are non-hazardous ingredients according to Section 313 of Title III and of 40 CFR 372.		Not Established	Not Established

## PHYSICAL DATA – SECTION III

<b>APPEARANCE</b> Buttery semisolid	<b>ODOR</b> Mild, fatty	<b>MELT POINT</b> N/A	<b>SPECIFIC GRAVITY</b> 0.9
<b>VAPOR DENSITY</b> N/A	<b>% VOLATILE BY VOLUME</b> 51%	<b>BULK DENSITY</b> 7.5 #/gal	<b>BOILING POINT</b> N/A
<b>VAPOR PRESSURE mmHg °f</b> <1 mmHG	<b>% SOLUBILITY (H2O)</b> None		

## FIRE AND EXPLOSION HAZARD DATA – SECTION IV

<b>FLASH POINT &amp; METHOD:</b> 150°F COC	<b>NFPA FIRE HAZARDS</b>  <table border="1"> <tr> <td><b>HEALTH</b></td> <td style="text-align: center;"><b>1</b></td> </tr> <tr> <td><b>FLAMMABILITY</b></td> <td style="text-align: center;"><b>0</b></td> </tr> <tr> <td><b>REACTIVITY</b></td> <td style="text-align: center;"><b>0</b></td> </tr> <tr> <td><b>SPECIFIC</b></td> <td style="text-align: center;"><b>--</b></td> </tr> </table>	<b>HEALTH</b>	<b>1</b>	<b>FLAMMABILITY</b>	<b>0</b>	<b>REACTIVITY</b>	<b>0</b>	<b>SPECIFIC</b>	<b>--</b>
<b>HEALTH</b>		<b>1</b>							
<b>FLAMMABILITY</b>		<b>0</b>							
<b>REACTIVITY</b>		<b>0</b>							
<b>SPECIFIC</b>	<b>--</b>								
<b>FLAMMABLE LIMITS:</b> LEL: 1 OEL: 7									
<b>EXTINGUISHING MEDIA:</b> CO2, Foam or Dry Chemical									
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Wear self-contained breathing apparatus if fighting fires in enclosed areas.									
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> Avoid fumes of burning product.  <b>DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:</b> Carbon dioxide, carbon monoxide	4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = INSIGNIFICANT								

## REACTIVITY DATA – SECTION V

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Extreme heat.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong oxidizers

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Fumes, carbon monoxide, and carbon dioxide

**HAZARDOUS POLYMERIZATION:** Will not occur

## HEALTH HAZARD DATA – SECTION VI

<b>ROUTE(S) OF ENTRY:</b>	<b>Inhalation?</b>	<b>Skin?</b>	<b>Ingestion?</b>
	Insignificant	Possible	Possible

**HEALTH HAZARDS (ACUTE & CHRONIC):** Eye contact can lead to irritation. Skin contact can lead to rash or irritation. Ingestion can cause gastrointestinal irritation, vomiting, nausea and/or diarrhea.

**CARCINOGENICITY:** None      **NTP?** --      **IARC Monographs?** --      **OSHA?** --

**MEDICAL CONDITIONS GENERALLY AGGRAVATED by EXPOSURE:** None known.

## EMERGENCY AND FIRST AID PROCEDURES

**EYE CONTACT:** Flush with water for 15 minutes.

**SKIN CONTACT:** Wash with soap and water.

**INHALATION:** Likely occurrence is remote.

**INGESTION:** Induce vomiting, give large quantities of water. Get medical attention.

## PRECAUTIONS FOR SAFE HANDLING AND USE – SECTION VII

**Steps to be taken in case material is released or spilled:** Confine spill. Scoop up.

**Waste Disposal Method:** Send to landfill or incinerate in accordance with federal, state and local regulations.

**Precautions to be taken in handling and storing:** Store in a cool dry area in its original container or equivalent. Keep away from flames and oxidizers.

## CONTROL MEASURES – SECTION VIII

**Respiratory or breathing apparatus:** No special requirements.

**Ventilation:** No special requirements.

**Local Exhaust:  
Mechanical:**

**Special:  
Other:**

**Protective Gloves:** Use oil resistant gloves.

**Eye Protection:** Safety goggles/glasses

**Other Protective Clothing or Equipment:** Oil resistant apron.

## TRANSPORTATION INFORMATION

**NOT REGULATED FOR TRANSPORTATION**