

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: TUFF RELEASE 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, 2008 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

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

FIRE AND EXPLOSION HAZARD DATA – SECTION IV

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

ROUTE(S) OF ENTRY:	Inhalation?	Skin?	Ingestion?
	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

COMBUSTIBLE