

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, 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

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	
FLAMMABLE LIMITS : LEL: 1			

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? Insignificant	Skin? Possible	Ingestion? 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 glasses		
Other Protective Clothing or Equipment:. Oil resistant apron.			
TRANSPORTATION INFORMATION			
NOT REGULATED FOR TRANSPORTATION			