

Rev: 07.08.20

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: RUFF RELEASE CAS #: See Below MANUFACTURER: Arcal Chemicals, Inc. ADDRESS: 223 West Hampton Avenue Capitol Heights, MD 20743	EMERGENCY PHONE: Chem Trec / 800-424 -9300 REVISION DATE: 1, January, 2010 OTHER PHONE: 301-336-9300 FAX: 301-336-6597
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HAZARDOUS INGREDIENTS / OTHER COMPONENTS - SECTION II

MATERIAL / CAS #	%	ACGIH (TLV - TWA)	OSHA (PEL -TWA)
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC/ CAS # 64742-88-7		100 ppm	500 ppm
		200 ppm	200 ppm
METHANOL / CAS # 67-55-1		100 ppm	100 ppm
ETHYLENE GLYCOL / CAS # 107-21-1			

PHYSICAL DATA - SECTION III

APPEARANCE BLUE COLOR, GEL-LIKE TEXTURE	ODOR PETROLEUM, MILD	MELT POINT -	SPECIFIC GRAVITY 0.92
VAPOR DENSITY HEAVIER THAN AIR	% VOLATILE BY VOLUME 75%	BULK DENSITY 7.7 LBS/ GAL	BOILING POINT 160°C
VAPOR PRESSURE mmHg °f 2 mmHg @ 60°F	% SOLUBILITY (H2O) NEGLIGIBLE		

FIRE AND EXPLOSION HAZARD DATA - SECTION IV

FLASH POINT & METHOD: 105°F	<div>NFPA FIRE HAZARDS</div> <table><tr><td>HEALTH</td><td>1</td></tr><tr><td>FLAMMABILITY</td><td>1</td></tr><tr><td>REACTIVITY</td><td>0</td></tr><tr><td>SPECIFIC</td><td></td></tr></table>	HEALTH	1	FLAMMABILITY	1	REACTIVITY	0	SPECIFIC	
HEALTH		1							
FLAMMABILITY		1							
REACTIVITY		0							
SPECIFIC									
FLAMMABLE LIMITS : N/A									
EXTINGUISHING MEDIA: WATER, DRY CHEMICAL, FOAM									
SPECIAL FIRE FIGHTING PROCEDURES: USE SELF-CONTAINED BREATHING APPARATUS WHEN EXTINGUISHING PRODUCT. VENTILATE AREA AS MUCH AS POSSIBLE.									
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS: BURNING OF MATERIAL MAY PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE. EMPTY CONTAINER: EMPTY CONTAINERS RETAIN HAZARDOUS RESIDUE. DO NOT CUT OR WELD.	4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = INSIGNIFICANT								

REACTIVITY DATA – SECTION V			
STABILITY: STABLE & POLYMERIZATION WILL NOT OCCUR.		CONDITIONS TO AVOID: NONE KNOWN	
INCOMPATIBILITY (MATERIAL TO AVOID): AVOID CONTACT WITH STRONG OXIDIZING AGENTS			
HAZARDOUS DECOMPOSITION BY-PRODUCTS: BURNING OF MATERIAL MAY PRODUCE CARBON MONOXIDE.			
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR		CONDITIONS TO AVOID: NONE KNOWN	
HEALTH HAZARD DATA – SECTION VI			
ROUTE(S) OF ENTRY:	INHALATION? YES	SKIN? YES	INGESTION? YES
HEALTH HAZARDS (ACUTE AND CHRONIC): IRRITATION OF SKIN AND EYES. INHALATION OF VAPORS MAY CAUSE HEADACHES AND DIZZINESS.			
CARCINOGENICITY: NONE	NTP? N/A	IARC Monographs: N/A	OSHA? N/A
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: SKIN AND EYE IRRITATION, DIZZINESS, AND HEADACHES.			
EMERGENCY AND FIRST AID PROCEDURES			
<p>EYE CONTACT: IF GOTTEN INTO EYES, FLUSH WITH CLEAR WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, CALL A PHYSICIAN.</p> <p>SKIN CONTACT: IN CASE OF SKIN CONTACT, REMOVE ANY CONTAMINATED CLOTHING AND WASH SKIN THOROUGHLY WITH SOAP AND WATER.</p> <p>INHALATION: IF OVERCOME BY VAPOR, REMOVE FROM EXPOSURE AND CALL A PHYSICIAN IMMEDIATELY. IF BREATHING IS IRREGULAR OR HAS STOPPED, START RESUSCITATION, ADMINISTER OXYGEN IF AVAILABLE.</p> <p>INGESTION: IF INGESTED, <u>DO NOT</u> INDUCE VOMITING; CALL A PHYSICIAN IMMEDIATELY.</p>			
PRECAUTIONS FOR SAFE HANDLING AND USE – SECTION VII			
STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF FLAME AND HEAT. COLLECT ON ABSORBENT MATERIAL.			
WASTE DISPOSAL METHOD: RECOVER SOLVENTS BY DISTILLATION AND DISPOSE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.			
PRECAUTIONS TO TAKE IN HANDLING AND STORING: STORE IN COOL, DRY PLACE. AVOID PROLONGED CONTACT AND INHALATION OF VAPORS. KEEP AWAY FROM SOURCES OF HEAT, SPARKS, OR FLAMES.			
CONTROL MEASURES – SECTION VIII			
RESPIRATORY OR BREATHING APPARATUS: No special requirements.			
VENTILATION: YES	Local Exhaust:	Special: Mechanical:	Other:
PROTECTIVE GLOVES: Oil resistant gloves.		EYE PROTECTION: Safety glasses	
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: CHEMICAL RESISTANT APRON, BOOTS, AND OTHER PROTECTIVE GEAR.			
TRANSPORTATION INFORMATION			
NON-REGULATED MATERIAL			