

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

<b>PRODUCT NAME:</b> RUFF RELEASE <b>CAS #:</b> See Below <b>MANUFACTURER:</b> Arcal Chemicals, Inc. <b>ADDRESS:</b> 223 West Hampton Avenue Capitol Heights, MD 20743	<b>EMERGENCY PHONE:</b> Chem Trec / 800-424 -9300 <b>REVISION DATE:</b> 1, January, 2010 <b>OTHER PHONE:</b> 301-336-9300 <b>FAX:</b> 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
METHANOL / CAS # 67-55-1		200 ppm	200 ppm
ETHYLENE GLYCOL / CAS # 107-21-1		100 ppm	100 ppm

## PHYSICAL DATA - SECTION III

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

## FIRE AND EXPLOSION HAZARD DATA - SECTION IV

<b>FLASH POINT &amp; METHOD:</b> 105°F	<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>1</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></td> </tr> </table>	<b>HEALTH</b>	<b>1</b>	<b>FLAMMABILITY</b>	<b>1</b>	<b>REACTIVITY</b>	<b>0</b>	<b>SPECIFIC</b>	
<b>HEALTH</b>		<b>1</b>							
<b>FLAMMABILITY</b>		<b>1</b>							
<b>REACTIVITY</b>		<b>0</b>							
<b>SPECIFIC</b>									
<b>FLAMMABLE LIMITS :</b> N/A									
<b>EXTINGUISHING MEDIA:</b> WATER, DRY CHEMICAL, FOAM									
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> USE SELF-CONTAINED BREATHING APPARATUS WHEN EXTINGUISHING PRODUCT. VENTILATE AREA AS MUCH AS POSSIBLE.									
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> NONE <b>DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:</b> BURNING OF MATERIAL MAY PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE. <b>EMPTY CONTAINER:</b> 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

**EYE CONTACT:** IF GOTTEN INTO EYES, FLUSH WITH CLEAR WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, CALL A PHYSICIAN.

**SKIN CONTACT:** IN CASE OF SKIN CONTACT, REMOVE ANY CONTAMINATED CLOTHING AND WASH SKIN THOROUGHLY WITH SOAP AND WATER.

**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.

**INGESTION:** IF INGESTED, **DO NOT** INDUCE VOMITING; CALL A PHYSICIAN IMMEDIATELY.

## 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