

MATERIAL DATA SAFETY SHEET



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USA

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SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME(S): Syndrol HD	RADTECH ID: 13309/310
CHEMICAL NAME: NA	PRODUCT USE: Conditioner and lubricant for metal

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	% BY WEIGHT	CAS#	EXPOSURE LIMITS	LD 50 (SPECIES & ROUTE)	LC50 (SPECIES)
The manufacturer lists no ingredients as hazardous. OSHA 29 CFR 1910.1200	NA	Mixture	NA	NA	NA

NOTES: (1) ACGIH TLV (TWA) (2) OSHA PEL (TWA) (3) ACGIH STEL (4) OSHA STEL (5) MFR/SUPPLIER TLV
LD50 VALUES ARE VIA ORAL ROUTE UNLESS OTHERWISE INDICATED

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE: Liquid	APPEARANCE: Clear	ODOR: Mild
VAPOR PRESSURE (mmHg): NA	Acid Number: ASTM D-664-04 0.10mg KOH, g	VAPOR DENSITY: No vapor generated @ 100°F
EVAPORATION RATE(BuAc=1): Negligible Loss @ 70°F	BOILING POINT (deg C): 314.7	FREEZING POINT (deg C): -60
SPECIFIC GRAVITY: ASTM D-1122 1.098 @ 60°F	DENSITY (g/ml): NA	SOLUBILITY IN WATER: < 100° F

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY IF YES, UNDER WHICH CONDITIONS: ASTM D-92 Cleveland Open Cup 478°F YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Flammability Class: Combustible III B
EXTINGUISHING MEDIA: Water spray (fog), Foam, Dry chemical or CO2. SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool unopened containers. Wear full protective gear.	
FLASH POINT (PMCC) deg F: 478	UPPER FLAMMABLE LIMIT (% BY VOLUME): 50
AUTOIGNITION TEMPERATURE (deg C): 379	LOWER FLAMMABILITY LIMIT (% BY VOLUME): NE
HAZARDOUS COMBUSTION PRODUCTS: Carbon Oxides, Hydrogen Chlorine Gas	
EXPLOSION SENSITIVITY TO IMPACT: NE	SENSITIVITY TO STATIC DISCHARGE: No

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY: IF YES, UNDER WHICH CONDITIONS: Stable at normal conditions YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
INCOMPATIBILITY WITH OTHER SUBSTANCES: IF SO, WHICH ONES? Strong oxidizers and reducing agents YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
REACTIVITY, AND UNDER WHICH CONDITIONS? Product is not considered highly reactive.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Oxides, Hydrogen Chlorine Gas Thermal decomposition can lead to release of irritating gases and vapors

PRODUCT NAME(S): Syndrol HD

SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN CONTACT SKIN ABSORPTION EYE CONTACT INHALATION INGESTIONS

EFFECTS OF ACUTE EXPOSURE TO PRODUCT:

May cause eye or skin irritation with susceptible persons. Vapors may irritate the respiratory tract of very susceptible persons.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:

No known adverse affects on human health.

EXPOSURE LIMITS:

NE

IRRITANCE OF PRODUCT:

NE

SENSITIZATION TO PRODUCT:

NE

CARCINOGENICITY:

NE

TERATOGENICITY:

NE

REPRODUCTIVE TOXICITY:

NE

MUTAENICTY:

NE

SYNERGISTIC PRODUCTS:

NE

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

CLOTHING (SPECIFY):

Normal work clothing. Long sleeves and gloves if prolonged contact is likely to occur

RESPIRATORY (SPECIFY):

None Required

EYE (SPECIFY):

Wear face sheild if splashing is likely to occur

OTHER (SPECIFY):

Handle in accordance with good industrial hygiene

ENGINEERING CONTROLS (SPECIFY):

Ventilation should remove and prevent any vapor or mist generated from handling/using this product

LEAK/SPILL PROCEDURE:

Isolate and ventilate area. Absorb with earth, sand or other non-combustable material

WASTE DISPOSAL:

NE

HANDLING PROCEDURES/EQUIPMENT AND STORAGE REQUIREMENTS:

Avoid eye and skin contact. Keep away from heat, sparks and flame. Store in a cool, dry place.

SPECIAL SHIPPING INFORMATION:

DOT/TDG Not regulated as dangerous goods.

OTHER INFORMATION:

All components on the US EPA TSCA inventory list. This product as not known to be hazardous as defined by OSHA 29 CFR 1910.1200

SECTION 8 - FIRST AID MEASURES

SYMPTOMS/EFFECTS OF OVEREXPOSURE:

None noted - If you feel unwell, seek medical advice.

EYES:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

SKIN:

Wash with soap and water. Seek medical attention if irritation develops or persists.

INHALATION:

Move to fresh air. Seek medical attention if needed.

INGESTION:

Have victim rinse mouth thoroughly with water. Do not induce vomiting without medical advice. If large volume ingestion occurs, seek medical attention.

SECTION 9 - MSDS PREPARATION INFORMATION

THIS MATERIAL SAFETY DATA SHEET IS OFFERED IN GOOD FAITH AS TYPICAL VALUES ARE NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED IS HERE BY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTENT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

PREPARED BY:

RadTech, LLC.

DATE:

02/14/2013