

MATERIAL SAFETY DATA SHEET
HOUGEN "SUPER CONCENTRATE" CUTTING FLUID

***** **SECTION 1 - IDENTIFICATION** *****

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TRADE NAME: SUPER CONCENTRATE
CHEMICAL NAME AND SYNONYMS: NA
CHEMICAL FAMILY: AMINE COMPLEX
OTHER PRODUCT INFO: PROPRIETARY FORMULATION

HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0 PROTECTION: B

***** **SECTION 2 - HAZARDOUS INGREDIENTS** *****

INGREDIENT: CAS NO.: %: NATURE OF HAZARD:
NONE INDICATED

***** **SECTION 3 - PHYSICAL DATA** *****

BOILING POINT (F): 456 MELTING POINT (F): NA pH: 8.8
VAPOR DENSITY (AIR=1): 1.0 VAPOR PRESSURE (mm Hg): ND
EVAPORATION RATE (BuAc=1): ND % VOLATILE (BY VOLUME): ND
SPECIFIC GRAVITY (H2O=1): 1.087 SOLUBILITY IN WATER: COMPLETE
APPEARANCE AND ODOR: MODERATE VISCOSITY, REDDISH AMBER LIQUID. MILD ODOR.

***** **SECTION 4 - FIRE & EXPLOSION HAZARD DATA** *****

FLASH POINT (METHOD): >350F (COC)
FLAMMABLE LIMITS IN AIR (LEL/UEL): NA/NA
EXTINGUISHING MEDIA: NA
SPECIAL FIRE FIGHTING PROCEDURES: NONE
UNUSUAL HAZARDS: NONE

***** **SECTION 5 - REACTIVITY DATA** *****

STABILITY: STABLE
CONDITIONS TO AVOID: NONE
MATERIALS TO AVOID: MAGNESIUM FINES, NITRITES, AND NITRATING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NONE

***** **SECTION 6 - HEALTH HAZARD DATA** *****

ROUTE OF EXPOSURE:
EYES: SPLASH, MIST, VAPOR
EFFECTS OF OVEREXPOSURE: REDNESS, IRRITATION
EMERGENCY PROCEDURES: FLUSH WELL WITH WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS

SKIN: SPLASH, IMMERSION, MIST

PERMISSIBLE EXPOSURE LIMIT: ND

EFFECTS OF OVEREXPOSURE: SLIGHT IRRITATION, REDNESS

EMERGENCY PROCEDURES: WASH WELL WITH SOAP AND WATER

INHALATION: MIST, VAPOR

PERMISSIBLE EXPOSURE LIMIT: ND

EFFECTS OF OVEREXPOSURE: DIZZINESS, SHORTNESS OF BREATH

EMERGENCY PROCEDURES: REMOVE TO FRESH AIR. ADMINISTER ARTIFICIAL RESPIRATION IF NEEDED

ORAL: SWALLOWING

THRESHOLD LIMIT VALUE: ND

EFFECTS OF OVEREXPOSURE: NAUSEA, DIARRHEA

EMERGENCY PROCEDURES: DRINK LARGE AMOUNTS OF WATER. CONTACT PHYSICIAN OR POISON CONTROL IMMEDIATELY

EFFECTS OF CHRONIC EXPOSURE: NONE ANTICIPATED

CARCINOGENICITY: NON-CARCINOGENIC

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE DETERMINED

******* SECTION 7 - PRECAUTIONS FOR SAFE HANDLING & USE *******

IN CASE IN SPILL OR LEAK: RINSE AREA WITH WATER, COLLECT WITH ABSORBENT MATERIAL FOR DISPOSAL

CONDITIONS TO AVOID: DO NOT ALLOW TO FREEZE - STORE INDOORS

OTHER PRECAUTIONS: AVOID CONTACT WITH MAGNESIUM FINES, NITRITES, OR NITRATING AGENTS

******* SECTION 8 - PERSONAL PROTECTION INFORMATION *******

EYES: STANDARD INDUSTRIAL SAFETY GLASSES OR GOGGLES

SKIN: NORMAL CLOTHING IS ADEQUATE. CHEMICALLY RESISTANT WORK GLOVES PROVIDE ADEQUATE PROTECTION

INHALATION: NORMAL VENTILATION ADEQUATE WITH NORMAL CONDITIONS AND USE

SPECIAL VENTILATION: NONE REQUIRED UNDER NORMAL CONDITIONS

CLOTHING: NO SPECIAL REQUIREMENT. REMOVE IF SOILED AND WASH BEFORE REUSING

SPECIAL EQUIPMENT REQUIRED: NONE WITH NORMAL APPLICATIONS AND CONDITIONS

******* SECTION 9 - REGULATORY INFORMATION *******

FEDERAL REGULATIONS

SARA TITLE III

SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCES: NONE

SECTION 313 TOXIC CHEMICALS: NONE

CERCLA 102(a)/DOT HAZARDOUS SUBSTANCES: NONE

STATE REGULATIONS

CALIFORNIA PROPOSITION 65 CARCINOGENIC SUBSTANCES: NONE

******* SECTION 10 - SHIPPING & TRANSPORTATION INFORMATION *******

D.O.T PROPER SHIPPING NAME: CLASS 55 CLEANING COMPOUND

D.O.T HAZARD CLASS: NA

SPECIAL PRECAUTIONS: DO NOT ALLOW TO FREEZE - STORE INSIDE

DATE OF LAST REVISION: 6/1/11

The data contained in this form is the best presently available information.

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