

**HOUGEN "SUPER CONCENTRATE" CUTTING FLUID
MATERIAL SAFETY DATA SHEET**

HOUGEN MANUFACTURING, INC.
3001 Hougen Drive
P.O. Box 2005 Flint, MI 48501-2005
Telephone: (810) 635-7111 * Fax (810) 635-8277

HEALTH 1 FLAMMABILITY 1 REACTIVITY 0 PROTECTION B

SECTION 1 - IDENTITY AND EMERGENCY INFORMATION

Trade Name: Super Concentrate
Chemical Name and synonyms: NA
Chemical Family: AMINE COMPLEX
Other Product Info: Proprietary formulation

Emergency Phone #: (216) 581-3600

SECTION 2 - HAZARDOUS INGREDIENTS

Ingredient	CAS Number	%	Nature of Hazard
NONE INDICATED			

SECTION 3 - PHYSICAL DATA

Boiling Point (F) 456 Melting Point (F) N/A 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 AND EXPLOSION HAZARD DATA

Flash point (method): >350 F (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 Exposure: 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 AND USE

In case of 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, nitrates, 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 AND 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: 8/1/07

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

NOTE: Hougen Manufacturing, Inc. shall in no event be responsible for any damage whatsoever, directly or indirectly, resulting from the publication or use of the reliance upon data contained herein. No warranty, either expressed or implied, or merchantability or fitness of any nature with respect to this product or to the data made herein.