

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

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**HEALTH 1 FLAMMABILITY 1 REACTIVITY 0 PROTECTION B**

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**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

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**SECTION 2 - HAZARDOUS INGREDIENTS**

Ingredient	CAS Number	%	Nature of Hazard
NONE INDICATED			

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**SECTION 3 - PHYSICAL DATA**

Boiling Point (F) <u>456</u>	Melting Point (F) <u>N/A</u>	pH: <u>8.8</u>
Vapor Density (Air =1): <u>1.0</u>	Vapor Pressure (mm Hg) <u>ND</u>	
Evaporation rate (BuAc=1): <u>ND</u>	% Volatile (by volume): <u>ND</u>	
Specific Gravity (H2O=1): <u>1.087</u>	Solubility in water: <u>COMPLETE</u>	

Appearance and odor: Moderate viscosity, reddish amber liquid. Mild odor.

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**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

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**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

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**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

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**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.

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**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.

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**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

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**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

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Date of last revision: 8/1/07

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

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