

**REVISION #:2****Material Safety Data Sheet**

May be used to comply with OSHA Hazard  
Communication Standard, 29CFR 1910.1200.  
Standard must be consulted for specific requirements.

**U S Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

Identity (As used on Label and List)

NOTE: Blank spaces are not permitted. If any item is not  
applicable, or no information is available, the space must  
be marked to indicate that.

**NU-SHINE-II-S****SECTION 1**

Manufacturer's Name

Emergency Telephone Number

**NUVITE CHEMICAL COMPOUNDS CORP.****800-255-3924 (USA) - 813-248-0585 (INT'L)**

Address (Number, Street, City, State and Zip Code)

Telephone Number for Information:

**213 Freeman Street  
Brooklyn, NY 11222**

**718-383-8351**

Date Prepared: May 01, 2006

**SECTION II - Hazardous ingredients/identity information**

Hazardous Components (Specific Chemical Identity: Common Name (s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(Optional)
Petroleum Distillate	500 ppm	200 ppm		20

No other restricted ingredients as listed by OSHA 29CFR 1910.1000-1500 ACGIH, or EPA 40CFR Part 261.3, 302.4,  
355, 370, 372

This product contains the following chemicals subject to the reporting requirements of SARA Title III, Section 313:

NFPA = 2-0-0

**SECTION III - Physical/Chemical Characteristics**

Boiling Point: °F	200	Specific Gravity (H2O=1): @25°C	1.12
Vapor Pressure (mm Hg.): @20 °C	18	Melting Point:	Not Applicable
Vapor Density (AIR=1): Greater than	1	Evaporation Rate (Butyl Acetate=1):	Less than 1
Solubility in Water:	Dispersible		
Appearance and Odor:	White, cream/paste-mild odor.		

**SECTION IV - Fire and Explosion Hazard Data**

Flash Point (Method Used):	210 °F	C.O.C.	Flammable Limits: Not Applicable	LEL ----	UEL ----
Extinguishing Media:	Water spray, foam, dry chemical, CO2				

**Special Fire Fighting Procedures:** Wear full protective safety equipment as standard practice. Product when mixed with water will  
become slippery. Use caution where product has contacted floor.

Unusual Fire and Explosion Hazards: None

**Product:** NU-SHINE-II-S      **Revision # :**2      **Date:** January 3, 2003

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**Section V - Reactivity Data**

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Stability	Unstable	Conditions to Avoid
	Stable	None

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Incompatibility (Materials to Avoid): Strong acids, bases, oxidizing agents.

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Hazardous Polymerization:	May Occur	Conditions to Avoid
	Will Not Occur	NONE

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**Section VI - Health Hazard Data**

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Routes of Entry:                      Inhalation: Secondary                      Skin: Primary                      Ingestion: Tertiary

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**Health hazards (Acute and Chronic):**

ACUTE: SKIN: May cause irritation and defatting; EYES: Will cause moderate irritation upon direct contact with possible tissue damage; INHALATION: Prolonged exposure may irritate nose & throat; INGESTION: Aspiration hazard. Will cause serious gastric disturbances.

CHRONIC: None known.

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Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

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Signs and Symptoms of Exposure: May cause redness and irritation to exposed skin areas during prolonged exposure.

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Medical Conditions Generally Aggravated by Exposure: Workers with skin sensitivities, or allergies should avoid contact with this product.

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Emergency and First Aid Procedures; SKIN: Flush with soap & water; EYES: Flush with water for 20 minutes and immediately contact Physician; INHALATION: Administer fresh air or oxygen; INGESTION: DO NOT induce vomiting - Immediately contact physician with urgency.

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**Section VII - Precautions for Safe Handling and Use**

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Steps to Be Taken in Case Material is Released or Spilled: Contain all spills. Use inert absorbent material and dispose in proper chemical waste container. Do not introduce material directly into rivers, lakes, streams, etc.

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Waste Disposal Method: Dispose in accordance with Federal, State and Local regulations.

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Precautions to Be Taken in Handling and Storing: When not in use, keep container closed. Store indoors. Keep from freezing.

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Other Precautions: Product becomes slippery when mixed with water. Use caution when walking where product has contacted floor.

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**Section VIII - Control Measures**

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Respiratory Protection (Specify Type): Should vapors exceed PEL, wear NIOSH approved respirator.

Ventilation	Local Exhaust:	REQUIRED	Special:	NOT APPLICABLE
	Mechanical (General):	Adequate to maintain below PEL	Other:	Open door/window

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Protective Gloves:	Required - neoprene	Eye Protection:	Chemical goggles required
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Other protective Clothing or Equipment: Work clothes, face shield, and cap if contact or splashing likely.

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Work/Hygienic Practices: Wash thoroughly after use and wash work clothes. Water source in work area recommended.

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END

# MATERIAL SAFETY DATA SHEET

U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200

The Steco Corporation  
2330 Cantrell Road  
PO Box 2238  
Little Rock, AR 72203

Emergency Response: (800) 255-3924  
Information: (800) 643-8026  
Fax: (501) 374-4278  
DATE PREPARED: May 1, 2006

TRADE NAME  
CHEMICAL NAME & SYNONYMS  
DOT SHIPPING NAME  
HMIS/NFPA CODES  
MANUFACTURING CODE NO.:  
COMMODITY CODE NO.:

**TAP MAGIC ALUMINUM Cutting Fluid**  
Hydrocarbon Mixture  
Combustible Liquid, n.o.s., NA1993, III. (Petroleum Distillate)  
Health 1; Fire 2; Reactivity 1; Specific - Solvent  
8358  
332-9150

## I. HAZARDOUS INGREDIENTS

Component	CAS#	OSHA PEL ppm	ACGIH TLV	Other Limits	
			mg/m <sup>3</sup> ppm	Recommended est. TLV	Max. %
Petroleum Distillate (Aliphatic 90%/Aromatic 10%)	8008-20-6	Not Listed	Not Listed	1000 ppm	60
Methyl Laurate	111-82-0	Not Listed	Not Listed		40
Vegetable Oil, Essential	8007-80-5	Not Listed	Not Listed		10

## II. PHYSICAL DATA

BOILING RANGE, (760 mm, Mercury) : 370 to 560°F  
SPECIFIC GRAVITY (Water=1) (lbs/gal) : 0.824 (6.88)  
VAPOR PRESSURE (mm of Mercury) @ 75°F : Less than 5  
VAPOR DENSITY (Air=1) : 5.5  
SOLUBILITY IN WATER, % by weight : Less than 1 (Insoluble)  
EVAPORATION RATE (Butyl Acetate = 1) : 0.04  
% VOLATILE BY VOLUME @ 75°F : Less than 1  
APPEARANCE : Light yellow liquid  
ODOR : Pleasant  
pH : Neutral (Nonaqueous)

## III. FIRE & EXPLOSION DATA

LOWER FLAMMABLE LIMIT IN AIR (% by volume) : 0.7  
UPPER FLAMMABLE LIMIT IN AIR (% by volume) : 5.0  
FLASH POINT, PMCC : 185°F  
AUTOIGNITION TEMPERATURE : 450°F  
EXTINGUISHING MEDIA : Foam, Carbon Dioxide, Dry Chemical

## IV. HEALTH HAZARD INFORMATION

ROUTES OF ENTRY : Ingestion is the primary method of possible entry. Material will not pass the skin barrier. Inhalation is unlikely due to low vapor pressure.

EFFECTS OF ACUTE OVEREXPOSURE : **INHALATION:** Concentration in excess of 1000 ppm may cause headache, nasal and respiratory irritation, nausea, drowsiness, fatigue, eye irritation and central nervous system depression. Narcotic effects may be severe at concentrations greater than 20,000 ppm.  
**SKIN CONTACT:** Material will not pass the skin barrier.  
**INGESTION:** Headache, drowsiness, nausea, fatigue, CNS depression.  
LD50 for rabbits is 28g/kg; estimated toxic adult dose 3-4 oz.  
**EYE:** May cause pain and irritation.

EFFECTS OF CHRONIC OVEREXPOSURE : **SKIN CONTACT:** Prolonged or repeated exposure may cause defatting of the skin and subsequent rash or irritation.  
**ALL ROUTES OF ENTRY:** Based on available data, repeated exposures are not anticipated to cause any significant adverse effects. Birth defects are unlikely. Exposures having no adverse effects on mother should have no effect on the fetus. In animal studies, has been shown not to interfere with reproduction. Results of in vitro ("test tube") mutagenicity tests have been negative. Results of mutagenicity tests in animals have been negative.



CARCINOGENICITY	:	Does not cause cancer in long term animal studies. Not a carcinogen or suspect carcinogen.
EMERGENCY & FIRST AID PROCEDURES	:	<b>EYE:</b> Flush eyes gently with water for at least 15 minutes. Supportive treatment by a physician is recommended. <b>SKIN:</b> Wash with mild soap and water. Remove wetted clothing until dry. <b>INHALATION:</b> Remove to fresh air. Individuals showing pronounced anesthetic effects may require artificial respiration and oxygen. <b>INGESTION:</b> Do not induce vomiting. Call a physician and/or transport to emergency medical facility immediately.
NOTES TO PHYSICIAN	:	ORAL: Low in toxicity. Emetics are contraindicated due to danger of aspiration. If CNS Depression is prominent, nikethamide may be given parenterally. Avoid epinephrine. If and when warranted by special circumstances, gastric lavage may be performed cautiously with 3% sodium bicarbonate or water. Instill 30 to 60 ml of olive oil in the stomach at the conclusion of lavage and follow with a saline cathartic (sodium sulfate) in water.
<b>V. REACTIVITY DATA</b>		
STABILITY	:	Chemical stability is great; odor and color may be adversely affected by prolonged storage in hot, moist environment.
INCOMPATIBILITY	:	May cause swelling of some plastics and synthetic rubbers. Contact with strong oxidizing agents should be avoided. (Example: Oxygen gas under high pressure.)

HAZARDOUS DECOMPOSITION PRODUCTS: None, Incomplete combustion can yield carbon monoxide.  
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: None

**VI. DISPOSAL, SPILL OR LEAK PROCEDURES**

AQUATIC TOXICITY	:	Aquatic toxicity is low: Product is not soluble in water.
SPILL OR LEAK PROCEDURES	:	<b>SMALL SPILLS:</b> Absorb with inert material (saw dust, rags, activated charcoal). Remove to out of doors and incinerate. <b>LARGE SPILLS:</b> Evacuate area. Contain liquid; transfer to closed metal (steel) containers. Keep out of water supply. Protect from ignition sources.
WASTE DISPOSAL METHOD	:	Small amounts may be incinerated in compliance with local, state and federal regulations. The recommended method of disposal for large quantities is recycling by a reclaimer or incineration. "If inert absorbents are employed in spill containment or cleanup, these absorbents must be non-biodegradable materials if destined for landfill disposal. Suitable absorbents include natural minerals (clay), activated charcoal, man-made polymers (HD polyethylene)."
NEUTRALIZATION CHEMICAL	:	Product may be effectively absorbed with activated charcoal.

**VII. SPECIAL PROTECTION INFORMATION**

VENTILATION REQUIREMENTS	:	Normal ventilation with regular use to maintain vapor concentration below 1000 ppm.
SPECIFIC PERSONAL PROTECTIVE EQUIPMENT	:	<b>RESPIRATORY:</b> None during normal use. Up to 2500 ppm, half-mask organic vapor respirator. Up to 5000 ppm, full-face organic vapor respirator, or full-face supplied air respirator. Greater than 5000 ppm, fire fighting or unknown concentration, self-contained breathing apparatus with positive pressure. <b>EYES:</b> None during normal use; face shield is recommended during machining operations. <b>SKIN:</b> None required for casual contact during normal use. Nitrile, neoprene or other petroleum distillate resistant gloves and/or boots recommended for dealing with large spills.

**VIII. SPECIAL PRECAUTIONS**

It is combustible liquid, keep away from open flames. Do not ingest. Do not expose to ignition sources. Storage life is indefinite if protected from heat and moisture. Do not store with any strong oxidizers.

## XI. ADDITION INFORMATION

Tap Magic Aluminum DOES NOT CONTAIN 1, 1, 1-trichloroethane, or any ozone depleting substances. Tap Magic Aluminum does not contain nitrites, nitrite derivatives, amines, polynuclear aromatic compounds either as an ingredient or a trace contaminant.

Tap Magic Aluminum does not contain any chemical compound listed on the SARA list of "Extremely Hazardous Chemicals" and is in compliance with all of the requirements of the TSCA at the time of shipment.

**Caution:** Any cutting fluid can be "overworked" or "overheated", causing it to break down. This overuse is identified by the sight of or strong odor of vapors or fumes not normally present. The effects of these vapors or fumes on human health have not been fully determined. After use of this product, clean and lubricate metal surfaces to avoid straining and/or corrosion.

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PREPARED BY	:	Asa L. Morton
TITLE	:	Chief Chemist
COMPANY	:	American Interplex Corporation
		Little Rock, AR 72204
TELEPHONE	:	(501) 224-5060