

Material Safety Data Sheet

Date of Preparation: 06/92

STEEL KLEEN

Revision: 03/16/09

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: STEEL KLEEN

Chemical Formula:

CAS Number:

Other Designations:

General Use:

Manufacturer: MIRANDY PRODUCTS, LLC., 1078 GRAND AVENUE, S. HEMPSTEAD, NY 11550

(516) 489-6800

HMIS	
H	1
F	0
R	0
PPE†	
‡B	

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Ammonium Hydrogen Fluoride	1341-49-7	
Dipropylene Glycol Methyl Ether	34590-94-8	
Phosphoric Acid (this material is subject to SARA Section 313) (DOT shipping classification-corrosive liquid NA 1760)	7664-38-2	17%
Propylene Glycol Monomethyl Ether	107-98-2	

Health Rating: 2 Flammability: 0 Reactivity: 0 Personal Protection: H

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Ammonium Hydrogen Fluoride	2.5 mg/m ³	2.5 mg/m ³	N/A	N/A	N/A	N/A	N/A
Dipropylene Glycol Methyl Ether	100 ppm	100 ppm	100 ppm	100 ppm	N/A	N/A	N/A
Phosphoric Acid	1 mg/m ³	1 mg/m ³	1 mg/m ³	1 mg/m ³	N/A	3 mg/m ³	N/A
Propylene Glycol Monomethyl Ether	100 ppm	100 ppm	100 ppm	100 ppm	N/A	N/A	N/A

Toxicity Data:

Section 3 - Physical and Chemical Properties

Physical State:

Appearance and Odor: Clear liquid, with mild fruity odor

Odor Threshold:

Vapor Pressure: N/A

Vapor Density (Air=1): >1

Formula Weight:

Density:

Specific Gravity (H₂O=1, at 4 °C): > 1

pH:

Water Solubility: Complete

Other Solubilities:

Boiling Point: 240F

Freezing/Melting Point: N/A

Viscosity:

Refractive Index:

Surface Tension:

% Volatile:

Evaporation Rate: N/A

Section 4 - Fire-Fighting Measures

Flash Point:

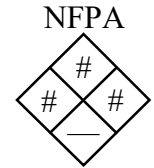
Flash Point Method: None

Burning Rate:

Autoignition Temperature:

LEL:

UEL:

Flammability Classification:**Extinguishing Media:** Water-see unusual fire and explosion hazards**Unusual Fire or Explosion Hazards:** Although this product does not meet the parameters for flammability, it may react with metals to liberate hydrogen, a flammable gas. In this case, water spray may be effective in absorbing gas.**Hazardous Combustion Products:****Fire-Fighting Instructions:** None**Fire-Fighting Equipment:**

Section 5 - Stability and Reactivity

Stability: Stable**Polymerization:** Hazardous polymerization will not occur.**Chemical Incompatibilities:** Strong caustics, sulfides and sulfites, strong bases, all unknown chemicals.**Conditions to Avoid:** N/A**Hazardous Decomposition Products:** Burning may produce carbon monoxide and/or carbon dioxide.

Section 6 - Health Hazard Information

Potential Health Effects

Primary Entry Routes:**Target Organs:****Acute Effects****Inhalation:** Yes**Skin:** Yes**Ingestion:** Yes**Carcinogenicity:** No.**Medical Conditions Aggravated by Long-Term Exposure:** Points of attack are respiratory system, lungs, eyes and skin.

Consider the points of attack in preplacement and periodic physical examinations.

Chronic Effects: Irritation to upper respiratory tract, eyes, and skin; burns skin and eyes and can cause dermatitis. At 1 ppm, the Federal Standard, phosphoric acid mist is irritating to unacclimated workers but easily tolerated by acclimated workers.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air and perform artificial respiration. If necessary, see physician.**Eye Contact:** Flush with water and see physician.**Skin Contact:** Flush with water and see physician.**Ingestion:** Get immediate medical attention.*After first aid, get appropriate in-plant, paramedic, or community medical support.***Note to Physicians:****Special Precautions/Procedures:**

Section 7 - Spill, Leak, and Disposal Procedures

Spill /Leak Procedures: Flush with water and soda ash. Pick up with absorbent.**Small Spills:****Large Spills****Containment:****Cleanup:**

Regulatory Requirements:

Disposal: Dispose according to federal, state, and local regulations.

Disposal Regulatory Requirements:**Container Cleaning and Disposal:****Ecological Information:**

Precautions for Storing and Handling: Keep from freezing. Do not contaminate with unknown chemicals.

Other Precautions: None.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Local exhaust is preferred.

Administrative Controls:

Respiratory Protection: Use NIOSH-approved equipment with full face-piece when exposure limit is exceeded.

Protective Clothing/Equipment: Impervious clothing. Impervious gloves. Chemical-safety goggles

Safety Stations: Eye wash should be accessible.

Contaminated Equipment: Launder contaminated clothing before reuse.

Comments: Wash thoroughly after handling.