

AL01706

Material Safety Data Sheet

U.S. Department of Labor



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

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

IDENTITY (As Used on Label and List)

Flitz Aluminum PreClean

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.

Section I

Manufacturer's Name Flitz International, Ltd.	Emergency Telephone Number 262-534-5898
Address (Number, Street, City, State, and ZIP Code) 821 Mohr Avenue	Telephone Number for Information 262-534-5898
Waterford, WI 53185	Date Prepared January 12, 2009
	Signature of Preparer (optional)

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Urea monohydrochloride	506-89-8	N/A		15-20%
Proprietary Surfactants		N/A		<3%

Section III - Physical/Chemical Characteristics

PH LEVEL = .5-1.5

Boiling Point	212°F	Specific Gravity (H ₂ O = 1)	1.04
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Soluable		
Appearance and Odor	Clear / Slight Amber		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	None	Flammable Limits	LEL	N/A	UEL	N/A
		NOT FLAMMABLE				
Extinguishing Media	Water spray, carbon dioxide, alcohol type or universal type foam applied in accordance with the manufacturer's instructions					
Special Fire Fighting Procedures	Fire fighters should wear self-contained breathing apparatus					

Unusual Fire and Explosion Hazards	At high temperatures acid action on most metals may release hydrogen, a highly flammable and explosive gas
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(Reproduce locally)

OSHA 174, Sept. 1985

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable XX		None
Incompatibility (<i>Materials to Avoid</i>)			
Hazardous Decomposition or Byproducts			
May include and are not limited to oxides of carbon			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur XX		

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? May cause irritation	Skin? Prolonged contact may cause skin irritation	Ingestion? May cause stomach distress
Health Hazards (<i>Acute and Chronic</i>)			
Prolonged or repeated exposure can cause drying, defatting, and dermatitis			
Colorless to slightly amber liquid. It is corrosive to the eyes and may cause irritation to the skin. May be harmful if ingested.			
Carcinogenicity: N/A	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A

Signs and Symptoms of Exposure

Prolonged or repeated exposure can cause drying, defatting, and dermatitis

Medical Conditions

Generally Aggravated by Exposure SEE ABOVE

Emergency and First Aid Procedures

In case of contact with eyes & mucous membranes; flush with water for several minutes. SKIN: Immediately remove excess chemical and contaminated clothing; thoroughly wash contaminated skin with mild soap and water. If irritation persists after washing seek medical attention. Clean contaminated clothing before reuse. INHALATION: Move the exposed person to fresh air. If breathing is difficult, properly trained personnel may assist the affected person by administering oxygen

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Evacuate area. Ventilate area. Collect for disposal. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. For large spills provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in compatible drums for recovery or disposal. Clean area as appropriate since some material, even in small quantities, may present a slip hazard. Observe all personal protection equipment recommendations.

Waste Disposal Method

No special handling.

Precautions to Be taken in Handling and Storing

Keep out of reach of children. Store in tightly closed fiberglass, polyethylene or polypropylene containers.

Other Precautions

None

Section VIII - Control Measures

Respiratory Protection (*Specify Type*)

None

Ventilation

Local Exhaust

None

Special

None

Mechanical (*General*)

None

Other

None

Protective Gloves

Use impervious (rubber, nitrile) gloves

Eye Protection

Use chemical safety glasses

Other Protective Clothing or Equipment

As required by employer code. Eye bath, safety showers, full protective clothing

Work/Hygienic Practices

Use good personal hygiene. Washn thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products.

ECOLOGICAL INFORMATION:**Ecotoxicity:**

Urea monohydrochloride: 96 hour LC 0>140mg/L (rainbow trout), 48 house LC 50 71.1 mg/L (ceriodaphnia dubia), 15 minute IC 50, 16.23% effect at a concentration of 10 mg/L (Vibrio fischeri, 4H6002)

Proprietary surfactant: Fish Acute Toxicity Test, OECD 203: 96 hour, LC50: 70.7 mg/L (rainbow trout)

Environmental Fate:

Urea monohydrochloride is biodegradable

Proprietary surfactants are readily biodegradable as per OECD 301D.

DISPOSAL CONSIDERATIONS:

Review federal, provincial or state and local government requirements prior to disposal.

TRANSPORT INFORMATION:

U.S. Department of Transportation (DOT): Not regulated

Canadian TDG: Regulated Material

Proper Shipping Name: Urea monohydrochloride

Hazard Class: 8

ID Number: UN1760

Packing Group: III

Water Transportation (IMO): Regulated Material

Proper Shipping Name: Urea monohydrochloride

Hazard Class: 8

ID Number: UN1760

Packing Group: III

Air Transportation (IATA): Regulated Material

Proper Shipping Name: Urea monohydrochloride

Hazard Class: 8

ID Number: UN1760

Packing Group: III