

Material Safety Data Sheet

Material Name: Concentrated All-Purpose Cleaner

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

Medallion Industries Inc.
5000 W Roosevelt Rd. Ste. 7
Chicago, IL 60644

Phone: 773-261-1197
Fax: 773-261-1320

*** Section 2 - Hazards Identification ***

Emergency Overview

May cause eye, skin and respiratory tract irritation. May cause gastrointestinal irritation if ingested.

Potential Health Effects: Eyes

May cause eye irritation.

Potential Health Effects: Skin

May cause skin irritation.

Potential Health Effects: Ingestion

Not considered a likely route of exposure under normal product use conditions. May cause gastrointestinal harm if swallowed.

Potential Health Effects: Inhalation

May cause respiratory tract irritation.

HMIS Ratings: Health: 1 Fire: 0 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
34590-94-8	Dipropylene glycol monomethyl ether	4.5
1300-72-7	Sodium xylene sulfonate	2.25
1310-73-2	Sodium hydroxide	2.25
6834-92-0	Sodium metasilicate	2.25

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention if irritation persists.

First Aid: Skin

Immediately flush skin with plenty of water. Remove clothing. Get medical attention if irritation persists. Wash clothing separately before reuse. Remove and clean contaminated shoes.

First Aid: Ingestion

If swallowed, do NOT induce vomiting. Drink a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

First Aid: Inhalation

If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

None

Hazardous Combustion Products

Not Determined

Extinguishing Media

Use Carbon Dioxide, Dry Chemical, Foam, Water Fog

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

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NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Stop the flow of material, if this is without risk.

Clean-Up Procedures

Mop spill area up and wash with water.

Evacuation Procedures

None

Special Procedures

None

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid contact with eyes, skin, and clothing.

Storage Procedures

Keep container closed when not in use. Store containers in a cool, well ventilated place.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

Sodium hydroxide (1310-73-2)

ACGIH: 2 mg/m3 Ceiling

OSHA: 2 mg/m3 Ceiling

NIOSH: 2 mg/m3 Ceiling

Dipropylene glycol monomethyl ether (34590-94-8)

ACGIH: 100 ppm TWA

150 ppm STEL

Skin - potential significant contribution to overall exposure by the cutaneous route

OSHA: 100 ppm TWA; 600 mg/m3 TWA

150 ppm STEL; 900 mg/m3 STEL

Prevent or reduce skin absorption

NIOSH: 100 ppm TWA; 600 mg/m3 TWA

150 ppm STEL; 900 mg/m3 STEL

Potential for dermal absorption

Engineering Controls

Use with adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses or face shield if splashing is likely.

Personal Protective Equipment: Skin

Use impervious gloves to minimize skin contact.

Personal Protective Equipment: Respiratory

None needed.

Personal Protective Equipment: General

None

*** Section 9 - Physical & Chemical Properties ***

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Appearance:	Clear	Odor:	Characteristic
Physical State:	Liquid	pH:	ND
Vapor Pressure:	ND	Vapor Density:	>1
Boiling Point:	ND	Melting Point:	NA
Solubility (H2O):	Soluble	Specific Gravity:	1.0580
Evaporation Rate:	<1	VOC:	ND
Octanol/H2O Coeff.:	ND	Flash Point:	NA
Flash Point Method:	ND	Upper Flammability Limit (UFL):	ND
Lower Flammability Limit (LFL):	ND	Burning Rate:	ND
Auto Ignition:	ND		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Avoid impact, friction, heat, sparks or flame. Minimize exposure to air.

Incompatibility

Prevent contact with strong oxidizing agents. Keep away from acids. Avoid prolonged contact with alkali sensitive metals.

Hazardous Decomposition

Toxic gases/fumes are given off during burning or thermal decomposition. During combustion oxides of carbon may be formed.

Possibility of Hazardous Reactions

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Sodium xylene sulfonate (1300-72-7)

Oral LD50 Rat 7200 mg/kg

Sodium hydroxide (1310-73-2)

Dermal LD50 Rabbit 1350 mg/kg

Dipropylene glycol monomethyl ether (34590-94-8)

Oral LD50 Rat 5230 mg/kg; Dermal LD50 Rabbit 9500 mg/kg

Sodium metasilicate (6834-92-0)

Oral LD50 Rat 600 mg/kg

Carcinogenicity

Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Sodium hydroxide (1310-73-2)

Test & Species

Conditions

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96 Hr LC50 Oncorhynchus mykiss 45.4 mg/L [static]

Dipropylene glycol monomethyl ether (34590-94-8)

Test & Species

96 Hr LC50 Pimephales promelas >10000 mg/L [static]

48 Hr LC50 Daphnia magna 1919 mg/L

Conditions

Sodium metasilicate (6834-92-0)

Test & Species

96 Hr LC50 Brachydanio rerio 210 mg/L [semi-static]

96 Hr LC50 Brachydanio rerio 210 mg/L

96 Hr EC50 Daphnia magna 216 mg/L

Conditions

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not Regulated

*** Section 15 - Regulatory Information ***

US Federal Regulations

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Sodium hydroxide (1310-73-2)

CERCLA: 1000 lb final RQ; 454 kg final RQ

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Sodium hydroxide	1310-73-2	Yes	Yes	Yes	Yes	Yes	Yes
Dipropylene glycol monomethyl ether	34590-94-8	Yes	Yes	Yes	Yes	Yes	Yes

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Sodium hydroxide	1310-73-2	1 %
Dipropylene glycol monomethyl ether	34590-94-8	1 %
Sodium metasilicate	6834-92-0	1 %

Additional Regulatory Information

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Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Sodium xylene sulfonate	1300-72-7	Yes	DSL	EINECS
Sodium hydroxide	1310-73-2	Yes	DSL	EINECS
Dipropylene glycol monomethyl ether	34590-94-8	Yes	DSL	EINECS
Sodium metasilicate	6834-92-0	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.