

Material Safety Data Sheet

May be used to Comply with
 OSHA's Hazard Communication Standard 29 CFR 1910.
 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)

6226 Coils and Fins
 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

(Address, Street, City, State, & Zip Code)

HAZARD RATING

DCI Industries Ltd. (Duo Chem)
 P.O. Box 6269
 Vernon Hills, IL 60061-6269

Emergency Telephone Number

1-800-595-1930

Telephone Number for Information

1-800-222-0477

Date Prepared

Revised: 6/11/01

HEALTH 2

FLAMMABILITY 0

REACTIVITY 1

0 - Minimal
 1 - Slight
 2 - Moderate
 3 - Serious
 4 - Extreme

Protective Equipment:

Goggles, Gloves

Section II—Hazardous Ingredients / Identity Information

Hazardous Components (Specify Chemical Identity, Common Names)	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Sodium Metasilicate CAS #6834-92-0	15 mg/M3	10 mg/M3	N/A	
Sodium Hydroxide CAS#1310-73-2 (Caustic Soda)	2 mg/M3	2 mg/M3	N/A	
2-Butoxyethanol, (Butyl Cellosolve) CAS #111-75-2 subject to reporting requirements of Sec. 313 of SARA Title III of 40 CFR 372	50 ppm	25 ppm	N/A	7.3
Methanol CAS #67-5-81 subject to reporting requirements of Sec. 313 of SARA Title III of 40 CFR 372	200 ppm	200 ppm	N/A	3.4

Section III—Physical Chemical Characteristics

Boiling Point	212°F	Specific Gravity (WATER = 1)	1.06
Vapor Pressure	N/D	Melting Point	N/A
Vapor Density	N/D	Evaporation Rate	N/D
Solubility in Water	infinite		
Appearance and Odor	clear violet liquid with characteristic odor.		

Section IV—Fire and Explosion Hazard Data

Flash Point	Flammable Limits	LEL	UEL
>200°F	None	None	None

Extinguishing Media
 Water, Carbon Dioxide, Foam, or Dry Chemical

Special Fire Fighting Procedures
 Full protective clothing and self-contained breathing apparatus are suggested

Unusual Fire and Explosion Hazards
 None

Section V—Reactivity Data

Stability	Unstable	Conditions to Avoid None
	Stable	
	X	

Incompatibility (Materials to Avoid)	Avoid contact with strong oxidizing agents
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Hazardous Decomposition or Byproducts	Burning can produce carbon monoxide and/or carbon dioxide		
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Hazardous Polymerization	May Occur	X	Conditions to Avoid	None
	Will Not Occur			

Section VI—Health Hazard Data

Route(s) of Entry:	Inhalation?	Yes	Skin?	Yes	Ingestion?	Yes
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Health Hazards (Acute and Chronic)

Acute—can cause skin and eye irritation, may cause headache, nausea, vomiting and dizziness.
Chronic—None known.

Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
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Signs and Symptoms of Exposure	Eyes and skin irritation, headache, nausea, vomiting and dizziness.
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Medical Conditions Normally Aggravated	None known.
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Emergency and First Aid Procedures	<p>Eye—wash thoroughly with water. If irritation persists, get medical attention. Skin—flush with water, if irritation persists, get medical attention. Ingestion—get medical attention. Inhalation—remove to fresh air; if breathing stops, give artificial respiration.</p>
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Section VII—Precautions For Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled	Absorb with inert absorbent and transfer to containers for disposal.
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Waste Disposal	Dispose of according to Federal, State and local regulations.
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Precautions to be Taken in Handling and Storage	Keep away from heat and open flame. Keep container closed, use with adequate ventilation, and avoid breathing vapor.
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Other Precautions	Keep out of reach of children
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Section VIII—Control Measures

Respiratory Protection (Specify Type)	Self-contained breathing apparatus in high concentrations
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Ventilation	Local Exhaust	Only if mechanical is inadequate.	Special	None
	Mechanical (General)	Satisfactory	Other	None

Protective Gloves	Neoprene or Rubber	Eye Protection	Face shield or goggles
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Other Protective Clothing or Equipment	Eye bath and safety shower	Work / Hygienic Practices	Observe good personal hygiene. Wash hands before eating, avoid inhalation or ingestion.
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