

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 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) *Heavy Duty Detergent & Metal
Cleaner, CMD-8-1, CMD-8-5, CMD-8-55*

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 <i>Crow Marketing & Distribution, Inc.</i>	Emergency Telephone Number <i>800-255-3924</i>
Address (Number, Street, City, State, and ZIP Code) <i>P. O. Box 29171, Dallas, TX 75229</i>	Telephone Number for Information <i>972-241-3049</i>
	Date Prepared <i>09-09-91</i> <i>REVIEWED 10/12/2006</i>
	Signature of Preparer (Optional)

Section II -- Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s) TLV	OSHA PEL	ACGIH	Other Limits Recommended	% (optional)
<i>Sodium Metasilicate (CAS# 6834-92-0)</i>	<i>2 mg/m³</i>	<i>2 mg/m³</i>	<i>N/E</i>	<i>N/A</i>
<i>Sodium Hydroxide; Caustic Soda (CAS# 1310-73-2)</i>	<i>2 mg/m³</i>	<i>2 mg/m³</i>	<i>N/E</i>	<i>N/A</i>
<i>Butyl Cellosolve; 2-butoxyethanol; Ethylene glycol monobutyl ether; (CAS# 111-76-2)</i>	<i>50 ppm</i>	<i>25 ppm</i>	<i>N/E</i>	<i>N/A</i>
<i>Sodium Carbonate; Soda ash (CAS# 497-19-18)</i>	<i>N/A</i>	<i>N/E</i>	<i>N/E</i>	

HMIS INFORMATION

Health	<i>0</i>
Reactivity	<i>0</i>
Flammability	<i>0</i>

Section III -- Physical/Chemical Characteristics

Boiling Point	<i>N/D</i>	Specific Gravity (H ₂ O = 1)	<i>N/A</i>
Vapor Pressure (mm Hg.)	<i>N/A</i>	Melting Point	<i>N/D</i>
Vapor Density (AIR = 1)	<i>N/A</i>	Evaporation Rate (Butyl Acetate = 1)	<i>N/A</i>

Solubility in Water

Complete

Appearance and Odor

Lime Green liquid with characteristic odor

Section IV -- Fire and Explosion Hazard Data

Flash Point (Method Used) <i>Butyl Cellosolve 150°F (TCC)</i>	Flammable Limits <i>in air, % by volume</i>	LEL <i>1.1</i>	UEL <i>10.6</i>
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Extinguishing Media

Use extinguishing media suitable to surrounding fire source.

Special Fire Fighting Procedures

Pressure demand self contained breathing apparatus should be provided for firefighters in building or confined areas where product is

stored.

Unusual Fire and Explosion Hazards

Product contains less than 5% 2-butoxyethanol (Flash point 150°F TCC)

N/A - Not applicable

N/D - Not determined

N/E - Not estimated

Section V -- Reactivity Data

Stability	Unstable		Conditions to Avoid <i>N/A</i>
	Stable	X	

Incompatibility (Materials to Avoid)
N/A

Hazardous Decomposition or Byproducts
N/A

Hazardous Polymerization	May Occur		Conditions to Avoid <i>N/A</i>
	Will Not Occur	X	

Section VI -- Health Hazard Data

Route(s) of Entry:	Inhalation? <i>Irritant</i>	Skin? <i>Irritant</i>	Ingestion? <i>Irritant</i>
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Health Hazards (Acute and Chronic)
ACUTE: Irritating to skin and mucous membranes. Dry product may cause permanent eye damage if not treated. Inhalation of mists or spray may cause coughing or other symptoms of upper respiratory irritation. CHRONIC: Inhalation of dusts may result in lung tissue damage.

Carcinogenicity: <i>No citations</i>	NTP? <i>No citations</i>	IARC Monographs? <i>No citations</i>	OSHA Regulated? <i>No</i>
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Signs and Symptoms of Exposure
May cause irritation of eyes, skin or mucous membranes. Inhalation of dusts may cause coughing, sneezing, or other symptoms of irritation.

Medical Conditions
Generally Aggravated by Exposure *None known*

Emergency and First Aid Proce-
In case of skin or eye contact, flush immediately with large volume of water. Seek medical attention if symptoms persist. If inhaled, get to fresh air. Seek medical attention if symptoms persist. If ingested, DO NOT INDUCE VOMITING. Give water, and seek medical attention.

Section VII -- Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
If spilled, steps should be taken to prevent discharges to streams or sewer systems. Spilled material should be cleaned up and contained immediately.

Waste Disposal Method
Dispose of waste material in accordance with all local, state and federal regulations.

Precautions to Be Taken in Handling and Storing
Do not store in aluminum containers. Avoid skin and eye contact. Avoid breathing dusts. Store in closed container.

Other Precautions
Clean spills immediately. Wash thoroughly after handling.

Section VIII -- Control Measures

Respiratory Protection (Specify Type)
Use NIOSH/MSHA approved respirator where mists or spray generated.

Ventilation	Local Exhaust <i>Where mists or spray generated</i>	Special <i>N/A</i>
	Mechanical (General) <i>N/A</i>	Other <i>N/A</i>

Protective Gloves <i>Rubber gloves should be worn</i>	Eye Protection <i>Face shield or chemical goggles</i>
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Other Protective Clothing or Equipment
Standard work clothing. Wash contaminated articles before reuse.

Work/Hygienic Practices
Clean spills immediately.