

# MATERIAL SAFETY DATA SHEET

12MCO025

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Complies with OSHA's 29 CFR  
1910.1200 and State Hazard  
Communication Standards

Medical Emergency Telephone  
INFOTRAC 1-800-535-5053

## SECTION 1

PRODUCT IDENTITY: **FORMULA 260**, Special Cleaner

DATE PREPARED: 8/20/98

NFPA/HMIS HAZARD CODES (minimal = 0; slight = 1; moderate = 2; serious = 3; severe = 4)  
Health: 2/2 Fire: 0/0 Reactivity: 0/0 Special/Protective Equipment: ALK/B

DOT: Corrosive liquid, basic, inorganic, n.o.s. (sodium silicate), Class 8, UN 3266, PG III

## SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

<u>HAZARDOUS COMPONENTS</u>	<u>CAS #</u>	<u>OSHA-PEL</u>	<u>ACGIH-TLV</u>	<u>% BY WT.</u>
Sodium metasilicate	6834-92-0	None Est. <sup>(1)</sup>	None Est. <sup>(1)</sup>	5 max.
Sodium dodecylbenzene sulfonate	25155-30-0	None Est.	None Est.	5 max.
Diethylene glycol butyl ether <sup>(3)</sup>	112-34-5	None Est. <sup>(2)</sup>	None Est. <sup>(2)</sup>	10

Also contains color, fragrance, wetting agent and water.

- (1) Supplier recommendation 2 mg/M<sup>3</sup> (ceiling)  
(2) Supplier recommendation 35 ppm  
(3) SARA Title III Section 313 reportable as Glycol Ether category.

## SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F approx.  
VAPOR PRESSURE: Not determined  
VAPOR DENSITY (air = 1): Not determined  
SOLUBILITY IN WATER: Miscible  
APPEARANCE AND ODOR: Clear purple liquid; ether-like odor.

SPECIFIC GRAVITY: 1.04  
PERCENT VOLATILE: 90 approx.  
EVAPORATION RATE: Not determined  
pH: 12.5 - 13.5

## SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None (TCC)

FLAMMABLE LIMITS: Not Applicable

EXTINGUISHING MEDIA: As appropriate for surrounding fire - product will not burn.

SPECIAL FIREFIGHTING PROCEDURES: Corrosive material; avoid exposure to mists and splashes. As in any fire, wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent), and full protective gear. Cool exposed containers with water spray to prevent pressure buildup.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

## SECTION 5: REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: None

INCOMPATIBILITY: Do not mix with acid solutions; or strong oxidizing agents, may release acid fumes.

HAZARDOUS DECOMPOSITION PRODUCTS: If evaporated to dryness, as in a fire, may release soot, smoke, carbon monoxide and traces of sulfur compounds.

## **SECTION 6: HEALTH HAZARD DATA**

**ROUTES OF ENTRY/SIGNS AND SYMPTOMS OF EXPOSURE: ACUTE:** As any strongly alkaline liquid, may cause eye burns, possible permanent damage, even blindness. Skin: prolonged contact with concentrated liquid may cause burns which are not immediately painful or visible. Glycol ether component can be absorbed through skin; harmful amounts not expected in normal use. Inhalation of vapors or mists may cause nose and respiratory irritation; possible tissue damage; possible headache, nausea or dizziness. Ingestion: nausea, vomiting, diarrhea; may cause burns to mucous membranes of mouth, throat and digestive tract.

**CHRONIC EFFECTS:** Dermatitis; possible respiratory effects from excessive inhalation of mists. Long-term overexposure to some glycol ethers by skin absorption or inhalation may cause kidney, liver or blood effects.

**CARCINOGENS:** None listed under OSHA, IARC or NTP.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing skin and respiratory disorders.

**EMERGENCY AND FIRST AID PROCEDURES:** Eyes: immediately flush with plenty of water for at least 15 minutes while holding eyelids open to ensure complete rinsing. Promptly remove contact lenses if worn. Get immediate medical attention. Skin: immediately flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Continue rinsing until "slippery" feeling is gone. Get prompt medical attention if irritation or burns develop. Inhalation: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Ingestion: **DO NOT INDUCE VOMITING.** Give a glass of water or milk to dilute. Get immediate medical attention. Never give anything by mouth to an unconscious person.

## **SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE**

**SPILL OR LEAK PROCEDURES: SMALL SPILLS:** Flush down drain with water or mop up.

**LARGE SPILLS:** Cleanup personnel should wear appropriate protective equipment. Dike to prevent runoff. Reclaim as much as possible. Absorb remainder with inert material and place in suitable containers for disposal. Flush residue with large amounts of water.

Releases of some glycol ethers may be CERCLA reportable.

**WASTE DISPOSAL METHOD:** Trained and properly equipped personnel may dilute and neutralize waste very carefully with dilute acid in accordance with Federal, State and local regulations. If disposed of as received, may be regulated as a "characteristic" hazardous waste due to pH.

**HANDLING AND STORING: WARNING:** Alkaline liquid. Do not get in eyes, on skin or clothing, or breathe mists or vapors. Store only in original container in a cool, dry, well ventilated area. Keep container closed when not in use. Keep from freezing.

**OTHER PRECAUTIONS:** Do not reuse container. Since empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Contact with certain food sugars can release hazardous amounts of carbon monoxide gas in enclosed vessels. Follow appropriate confined space entry procedures when cleaning enclosed vessels. Read and follow label directions.

## **SECTION 8: CONTROL MEASURES**

**VENTILATION:** General mechanical and/or local exhaust as needed in confined areas or if mist or vapor in air causes irritation or exceeds recommended exposure limits.

**RESPIRATORY PROTECTION:** None normally required. Use NIOSH-approved air purifying respirator with dust/mist filter as needed if spray mist in air exceeds exposure limits.

**GLOVES:** Rubber or plastic as needed to avoid prolonged contact.

**EYE PROTECTION:** Chemical safety glasses or goggles.

**OTHER PROTECTIVE EQUIPMENT:** Protective clothing, rubber boots and other equipment as needed to prevent prolonged contact with skin, eyes and clothing. Suitable facilities for quick drenching or flushing of the eyes and body should be provided within the work area for immediate emergency use.

**WORK/HYGIENIC PRACTICES:** Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.

Health and safety information presented on this form is generally applicable at recommended dilutions, varying only in degree. This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.