

MATERIAL SAFETY DATA SHEET

Curtis/GlenChem Corp.

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Product: **GLOBAL 3 DF**

MSDS No.: E6033 - Rev 5.2 Date: 10/05
Replaces - Rev 5.1 02/97
Reason - Emergency Info. Change

-- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name: GLOBAL 3 DF
Chemical Name/Synonym: PROPRIETARY BLEND
Chemical Family: COMPOUND
Formula: PROPRIETARY
Product Code: E6033

HMIS
Hazard Rating: Legend:
Health: 1 0 - Least
Fire: 0 1 - Slight
Reactivity: 0 2 - Moderate
3 - High
4 - Extreme

Product Description: Aqueous neutral pH cleaning compound.

-- SECTION 02 - PHYSICAL DATA --

Boiling Point: > 210°F. Solubility in Water: Complete
Vapor Pressure: < 1 (mmHg) Specific Gravity: ~1.048 (H₂O=1)
Vapor Density: (AIR=1): > 1 % Volatile by Volume: Nil
Appearance: Translucent liquid Odor: Mild
pH: 3.0 ± 0.5, as received pH Solution (2%): 3.5 (± 0.5)

-- SECTION 03 - INGREDIENTS AND HAZARD INFORMATION --

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
sodium hydroxide (caustic soda)	1310-73-2	<1	2 mg/m ³ , TWA	2 mg/m ³ , TWA
dipropylene glycol methyl ether	34590-94-8	5-10	100 ppm, TWA	100 ppm, TWA 150 ppm, STEL
Inert and/or non-hazardous components	-----	65-75	-----	-----

Note: Material may contain trace amounts of ethylene oxide (75-21-8) in quantities less than 0.0001% by weight.

-- SECTION 04 - FIRE AND EXPLOSION HAZARD DATA --

Flash Point: N/A (will not support combustion).
Extinguishing Media: Small Fire: CO₂, water fog, dry chemical; Large Fire: alcohol-type or all-purpose-type foams.
Special Fire Fighting Procedures: Use self-contained breathing apparatus; water may be used to cool adjacent containers.

-- SECTION 05 - REACTIVITY DATA --

Stability: Stable.
Incompatibility: Strong oxidizers.
Hazardous Decomposition Products: Carbon monoxide and carbon dioxide may form upon thermal degradation.
Hazardous Polymerization: Will not occur.

-- SECTION 06 - SPILL, LEAK, AND DISPOSAL PROCEDURES --

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper container.
Large Spills: Prevent spread of spill by dyking. Salvage uncontaminated material if possible. Absorb remainder of spill with inert material; scoop up and dispose to proper container.

ALWAYS DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES FOR THAT TYPE OF MATERIAL.

-- SECTION 07 - HEALTH HAZARD DATA --

EYE CONTACT:..... May cause irritation. Severe irritation may occur if not irrigated immediately.
SKIN CONTACT:..... Prolonged contact may cause dryness and dry skin irritation.
INHALATION:..... Breathing of airborne mist may cause irritation of lungs and upper respiratory tract.
INGESTION:..... If swallowed, this product may cause irritation of mouth, esophagus and stomach.
EFFECTS OF OVEREXPOSURE:..... None currently known.
IARC and NTP..... NONE of the ingredients in this product are listed by the NTP, IARC, or OSHA as possible carcinogens.

-- SECTION 08 - FIRST AID --

EYES:..... Flush with water for a minimum of 15 minutes (industry safety standard for all chemical materials). Seek medical attention if irritation persists.
SKIN:..... Flush with water; wash with soap and water after handling.
INHALATION:..... Remove to fresh air.
INGESTION:..... DO NOT INDUCE VOMITING - Seek medical attention. Give several glasses of water to drink. NEVER give anything by mouth to an unconscious person.

-- SECTION 09 - SPECIAL HANDLING INFORMATION --

VENTILATION:..... At elevated temperatures and applied via pressure spray or steam, product may produce mist. Provide exterior exhaust or ventilation sufficient to eliminate airborne concentrations of mist.
RESPIRATORY PROTECTION:..... None normally required; NIOSH approved respirator for hot mist conditions or unventilated areas.
PROTECTIVE CLOTHING:..... Impervious gloves when mixing or handling, or when long term exposure is expected.
EYE PROTECTION:..... Tight fitting goggles if splashing is anticipated when mixing or handling.

-- SECTION 10 - REGULATORY AND ADDITIONAL INFORMATION --

HANDLING AND STORAGE: Do not breathe vapors or mist. Do not allow contact with eyes, or leave in contact with skin for prolonged periods. Wash contaminated clothing prior to re-use. Do not store or allow contact with oxidizers.

D.O.T.: Shipping Information: Shipping Name: Liquid Cleaning Compound - Not Regulated
 Hazard Class: None
 UN/NA Number: None

Empty Containers: Do not re-use empty containers for storage of foodstuffs or potable water. For returnable drums or drums set aside for reconditioner, empty drum as completely as possible and fit bungs tightly with undamaged closures. D.O.T. regulations impose stiff penalties for transportation of open containers, and drivers will refuse to transport them.

TSCA - The ingredients in this material are listed on the TSCA Inventory.

SARA Title III Information (for sodium hydroxide as a component of this material): A) Sections 311/312 - acute, reactive; B) Section 313 - Not Listed; C) Section 302 - Not Listed as an Extremely Hazardous Substance.

CERCLA Information (for the sodium hydroxide component): Listed in Table 302.4 of 40 CFR Part 302 as a hazardous substance with NRC RQs of 1000 lbs. RQ of GLOBAL 6 would be well in excess of 33,000 lbs (3,840 gals).

Abbreviations Used in this Material Safety Data Sheet: < = Less Than; > = Greater Than; N/A = Not Applicable; N/E = Not Established; N/L = Not Listed; N/D = Not Determined; TWA = Time Weighted Average; STEL= Short Term Exposure Limit; PEL = Permissible Exposure Limit; NIOSH = National Institute of Occupational Safety & Health; OSHA = Occupational Safety & Health Administration; ACGIH = American Conference of Government and Industrial Hygienists; NTP = National Toxicology Program; IARC = International Agency for the Registration of Carcinogens; TSCA = Toxic Substance Control Act; SARA = Superfund Amendment Reauthorization Act; RQs = Reportable Quantities; CERCLA = Comprehensive Environmental Response Compensation and Liability Act; NRC = National Response Center; RCRA = Resource Recovery and Conservation Act.

The information herein is given in good faith, but no warranty, express or implied, is made.