
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

COMPLEX**MSDS ID: 00860**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: COMPLEX

Product Code: 00860

Product Function: LIQUID CAUSTIC BOOSTER

MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name(CAS Number)	%	Exposure Limits
POTASSIUM HYDROXIDE (1310-58-3)	<5	TLV 2; PEL 2 (CEILING) MG/M3
ETHYLENEDIAMINE TETRA ACETATE SODIUM SALT (64-02-8)	<60	
SODIUM HYDROXIDE (1310-73-2)	<2	TLV 2; PEL 2 (CEILING)

3. HAZARDS IDENTIFICATION

Primary Routes of Entry

Inhalation: YES

Skin: YES

Ingestion: YES

4. FIRST AID MEASURES

Eyes: IMMEDIATELY FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

Skin: IMMEDIATELY FLUSH WITH FRESH WATER. REMOVE CONTAMINATED CLOTHES AND SHOES.

Ingestion: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE FLUIDS BY MOUTH TO AN UNCONSCIOUS PERSON.

Inhalation: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.

5. FIRE FIGHTING MEASURES

Flash Point (degrees F): NONE

Unusual Fire or Explosion Hazards: NONE KNOWN

Extinguishing Media: WATER SPRAY, CO2, DRY CHEMICAL

Fire Fighting Instructions: WEAR FULL PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS (SCBA) IN FIRE AREA.

6. ACCIDENTAL RELEASE MEASURES

If Material is Released or Spilled:

CONTAIN SPILL. PLACE IN COMPATIBLE CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE MINERAL ACIDS OR SODIUM BICARBONATE.

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7. HANDLING AND STORAGE

STORE IN A COOL, DRY PLACE. KEEP OUT OF REACH OF CHILDREN. KEEP AWAY FROM ACIDS. WHEN DILUTING, ADD AND STIR SLOWLY TO AVOID VIOLENT SPATTERING AND HEAT GENERATION.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: AS REQUIRED BY OSHA
Protective Gloves: CHEMICAL RESISTANT
Respiratory Protection: WEAR APPROVED CARTRIDGE RESPIRATOR TO MAINTAIN PEL/TLV IN MIST, OR SPRAY.
Other Protective Clothing/Equipment: PROTECTIVE CLOTHING AND FOOTWEAR.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: LIGHT YELLOW LIQUID
Boiling Point (F): N/A Freezing Point: Not Determined
Specific Gravity: 1.3200 pH: Not Determined
pH 1% SOLUTION: Not Determined
Volatile (% by Vol.): NONE Solubility in Water: 28G

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE
Incompatibility With Other Materials: FLAMMABLE LIQUIDS, ACIDS, ORGANIC HALOGENS, ALUMINUM, AND SOFT METALS.
Hazardous Decomposition Products: NONE KNOWN
Hazardous Polymerization: None

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:
Acute: MAY CAUSE BURNS TO EYES AND SKIN. INHALATION OF MISTS OR DUSTS IRRITATES OR CAUSES BURNS TO RESPIRATORY SYSTEM AND LUNG TISSUE. HARMFUL IF SWALLOWED.
Chronic: NO KNOWN HAZARDS. PH 11.8
Medical Conditions Generally Aggravated by Exposure:
SENSITIVE SKIN, DUST OR MIST MAY AGGRAVATE RESPIRATORY DISEASE.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

TRIPLE RINSE EMPTY CONTAINER, ADD RINSATE TO OPERATION. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, OR FEDERAL REGULATIONS.

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14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA/EPCRA/313 Toxic Chemicals:
POTASSIUM HYDROXIDE

CARCINOGENICITY:

Not listed as carcinogenic by IARC, NTP, OSHA, ACGIH

HMIS Ratings: Health: 2 Fire: 0 Reactivity: 0
Personal Protective Equipment: B

State Right-to-Know Information:

SODIUM HYDROXIDE - CAS #1310-73-2
SODIUM CHLORIDE - CAS #7647-14-5
SODIUM CARBONATE - CAS #497-19-8
NONYLPHENOXY POLYETHOXY GLYCOL - CAS #9016-45-9
ALKYL POLYALKOXY GLYCOL - CAS #69227-21-0
POTASSIUM HYDROXIDE - CAS #1310-58-3
ETHYLENEDIAMINE TETRA ACETATE SODIUM SALES - CAS #64-02-8

16. OTHER INFORMATION

DISCLAIMER: The information contained in this safety data sheet is based on knowledge of this specific product and current national legislation. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the applicability of this information for their particular conditions of storage, handling, and use.