
MATERIAL SAFETY DATA SHEET

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MID-AM HD LIQUID MANUAL CLNR**MSDS ID: 09381**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: MID-AM HD LIQUID MANUAL CLNR

Product Code: 09381

Product Function: LIQUID CHLORINATED CLEANER

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
SODIUM HYDROXIDE (1310-73-2)	5	TLV 2; PEL 2 (CEILING) MG/M3
SODIUM HYPOCHLORITE (7681-52-9)	2	TLV; NE, PEL; NE MG/M3

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 IF EYES ARE INJURED OR IRRITATION PERSISTS.

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

Ingestion: GIVE SEVERAL GLASSES OF WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING 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: LIQUID CORROSIVE MATERIAL

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. ABSORB SMALL AMOUNTS ON SAND OR CLAY. PLACE IN COMPATIBLE CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE MINERAL ACIDS OR SODIUM BICARBONATE. CERCLA PRODUCT R.Q.: COMMAND - 5,000 LBS. OR 537 GALLONS.

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7. HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN. EXPOSURE TO REDUCING SUGARS CAUSES CARBON MONOXIDE RELEASE. KEEP AWAY FROM ACIDS. WHEN DILUTING, ADD SLOWLY, STIRRING GENTLY.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: CHEMICAL GOGGLES, SIDE SHIELDED SAFETY GLASSES, OR FACE SHIELD.

Protective Gloves: RUBBER/CHEMICAL RESISTANT.

Respiratory Protection: WEAR APPROVED CARTRIDGE RESPIRATOR TO MAINTAIN PEL/TLV IN MIST, SPRAY, OR DUSTY CONDITIONS.

Other Protective Clothing/Equipment: WEAR APRON, PROTECTIVE CLOTHING AND FOOTWEAR. LAUNDRER CLOTHES BEFORE REUSE. SAFETY SHOWER/EYE WASH.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: CLEAR LIGHT YELLOW LIQUID WITH A SLIGHT CHLORINE ODOR.

Boiling Point (F): 212 Freezing Point: Not Determined

Specific Gravity: 1.1200 pH: Not Determined

pH 1% SOLUTION: Not Determined

Volatile (% by Vol.): 83 Solubility in Water: 100

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE

Incompatibility With Other Materials: FLAMMABLE LIQUIDS, ACIDS, ORGANIC HALOGENS, ALUMINUM, AND SOFT METALS.

Hazardous Decomposition Products: OXIDES OF CARBON, HYDROGEN UPON CONTACT WITH ALUMINUM AND OTHER SOFT METALS.

Hazardous Polymerization: None

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:

Acute: CAUSES BURNS TO EYES AND SKIN. INHALATION OF MISTS OR DUSTS IRRITATES OR CAUSES BURNS TO RESPIRATORY SYSTEM AND LUNG TISSUE. HARMFUL OR FATAL IF SWALLOWED.

Chronic: NO KNOWN HAZARDS

Medical Conditions Generally Aggravated by Exposure:

SENSITIVE SKIN; DUST OR MIST MAY AGGRAVATE RESPIRATORY DISEASE.

12. ECOLOGICAL INFORMATION

No data available.

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13. DISPOSAL CONSIDERATIONS

TRIPLE RINSE EMPTY CONTAINER, ADD RINSATE TO OPERATION. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, OR FEDERAL REGULATIONS. REMOVE OR DEFACE LABEL BEFORE SELLING, RECYCLING, OR DISPOSAL OF CONTAINER. DISPOSE OF USING LICENSED FACILITIES.

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:

SODIUM HYDROXIDE HAS NOT BEEN SARA 313 REPORTABLE SINCE 1989.

CARCINOGENICITY:

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

HMIS Ratings: Health: 3 Fire: 0 Reactivity: 1
Personal Protective Equipment: D

State Right-to-Know Information:

SODIUM XYLENE SULFONATE - CAS #1300-72-7

SODIUM HYDROXIDE - CAS #1310-73-2

LAURYL DIMETHYLAMINE OXIDE - CAS #1643-20-5

SODIUM CHLORIDE - CAS #7647-14-5

SODIUM HYPOCHLORITE - CAS #7681-52-9

WATER - CAS #7732-18-5

SODIUM POLYACRYLATE - CAS #9003-01-4

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.