
MATERIAL SAFETY DATA SHEET

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

FLC-90

MSDS ID: 02197

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: FLC-90

Product Code: 02197

Product Function: CHLORINATED CLEANER AND STAIN REMOVER

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 HYPOCHLORITE (7681-52-9)	<15	NONE ESTABLISHED
SODIUM HYDROXIDE (1310-73-2)	<2	TLV C2; PEL C2 MG/M3

3. HAZARDS IDENTIFICATION

Primary Routes of Entry

Inhalation: YES

Skin: NO

Ingestion: YES

4. FIRST AID MEASURES

Eyes: FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES, GET MEDICAL ATTENTION.
Skin: FLUSH WITH FRESH WATER. REMOVE CONTAMINATED CLOTHES AND SHOES.
Ingestion: GIVE WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.
Inhalation: REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION.

5. FIRE FIGHTING MEASURES

Flash Point (degrees F): NONE

Unusual Fire or Explosion Hazards: HIGH TEMPERATURES WILL RELEASE C12

Extinguishing Media: WATER, FOAM, CO2

Fire Fighting Instructions: KEEP CONTAINERS COOL. WEAR PROTECTIVE GEAR AND SELF CONTAINED BREATHING APPARATUS IN FIRE AREA.

6. ACCIDENTAL RELEASE MEASURES

If Material is Released or Spilled:

FLUSH SMALL AMOUNTS TO DRAIN; COLLECT AND RETURN AMOUNTS TO CONTAINER.

PRODUCT R.Q. = 68 GALLONS

7. HANDLING AND STORAGE

KEEP CONTAINER CLOSED. IF FROZEN, THAW AND MIX TO MAKE USABLE.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: FACE SHIELD
Protective Gloves: ALKALI RESISTANT
Respiratory Protection: USE NIOSH APPROVED RESPIRATOR IF TLV/PEL LIMITS EXCEEDED.
Other Protective Clothing/Equipment: CLOTHING TO PREVENT SKIN CONTACT. EYE WASH IN USE AREA.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: CLEAR YELLOW LIQUID, CHLORINE ODOR
Boiling Point (F): 212 Freezing Point: Not Determined
Specific Gravity: 1.2000 pH: Not Determined
pH 1% SOLUTION: Not Determined
Volatile (% by Vol.): 80% Solubility in Water: 100%

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE
Incompatibility With Other Materials: CONCENTRATED ACIDS WILL RELEASE CHLORINE.
Hazardous Decomposition Products: OXIDES OF CARBON, CHLORINE (C12)
Hazardous Polymerization: None

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:
Acute: CAUSES BURNS TO EYES, IRRITATES SKIN. NAUSEA. MISTS ARE RESPIRATORY IRRITANTS.
Chronic: SAME AS ACUTE
Medical Conditions Generally Aggravated by Exposure:
SENSITIVE SKIN AND EYES.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

PH ADJUSTMENT, NO PHOSPHATES. USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE CONTAINER WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE CONTAINER LABEL BEFORE SELLING OR DISPOSAL. DISPOSE IN A MANNER CONSISTANT WITH LOCAL, STATE AND FEDERAL REGULATIONS.

14. TRANSPORT INFORMATION

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

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15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA/EPCRA/313 Toxic Chemicals:

ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.

CARCINOGENICITY:

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

HMIS Ratings: Health: 3 Fire: 0 Reactivity: 0

Personal Protective Equipment: D

State Right-to-Know Information:

SODIUM HYPOCHLORITE CAS#7681-52-9

WATER CAS #7732-18-5

SODIUM HYDOXIDE CAS #1310-73-2

TRADE SECRET REGISTRATION: 694954-00-1-5164P

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.