
MATERIAL SAFETY DATA SHEET

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

FFC-1C**MSDS ID: 02149**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: FFC-1C

Product Code: 02149

Product Function: ALKALINE SOLVENT 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
2-BUTOXYETHANOL (111-76-2)	<3	TLV 120S; PEL 120S MG/M3
POTASSIUM HYDROXIDE (1310-58-3)	<5	TLV C 2; PEL C 2 MG/M3
ISOPROPYL ALCOHOL (67-63-0)	<2	TLV 980; ST 1225; PEL 980 MG/M3

3. HAZARDS IDENTIFICATION

Primary Routes of Entry

Inhalation: YES

Skin: YES

Ingestion: YES

4. FIRST AID MEASURES

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

Skin: WIPE OFF, FLUSH WITH FRESH WATER, REMOVE WETTED CLOTHES AND SHOES

Ingestion: GIVE MILK OR WATER. DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION

Inhalation: Remove to fresh air.

5. FIRE FIGHTING MEASURES

Flash Point (degrees F): NONE

Unusual Fire or Explosion Hazards: NONE KNOWN

Extinguishing Media: CO2, FOAM, DRY CHEMICALS

Fire Fighting Instructions: NONE

6. ACCIDENTAL RELEASE MEASURES

If Material is Released or Spilled:

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

REPORTABLE QUANTITY (R.Q.) OF PRODUCT: 21,277 LBS. OR 2418 GAL.

7. HANDLING AND STORAGE

STORE IN DRY PLACE. KEEP CONTAINER COVERED. IF FROZEN, RETURN TO PRODUCING PLANT. DO NOT PRESSURE CONTAINER TO EMPTY.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: SAFETY GOGGLES
Protective Gloves: ALKALI RESISTANT
Respiratory Protection: NONE
Other Protective Clothing/Equipment: NONE

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: CLEAR LIQUID, MILD ODOR.
Boiling Point (F): 215 Freezing Point: Not Determined
Specific Gravity: 1.0620 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: NONE KNOWN
Hazardous Decomposition Products: CO WITH INCOMPLETE COMBUSTION
Hazardous Polymerization: None

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:
Acute: CAUSES BURNS TO EYES AND SKIN. MISTS ARE RESPIRATORY IRRITANTS.
CAUSES INCREASED BLOOD FRAGILITY/EXPOSURE AGGRAVATES HEMATOPOIETIC
SYSTEM.
Chronic: AT INDUSTRIAL EXPOSURE LEVELS NO POSITIVE EVIDENCE EXIST PRESENTLY
THAT INDICATES ANY CHRONIC EFFECTS ON HUMANS DIFFERENT THAN THOSE
LISTED ABOVE AS ACUTE.
Medical Conditions Generally Aggravated by Exposure:
SENSITIVE SKIN.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

PH ADJUSTMENT;CONTAINS NO PHOSPHATES. USE UNTIL LESS THAN 1 INCH REMAINS IN
CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH WATER, DISPOSE TO INDUSTRIAL OR
SANITARY SEWER REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL

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:

FFC-1C CONTAINS 2-BUTOXYETHANOL CAS#111-76-2 AT 2%, DIETHYLENE GLYCOL ETHYL ETHER CAS #111-90-0 AT 2%. THESE INGREDIENTS ARE REPORTABLE AS GLYCOL ETHER COMPOUNDS.

CARCINOGENICITY:

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

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

State Right-to-Know Information:

POTASSIUM HYDROXIDE - CAS #1310-58-3

WATER - CAS #7732-18-5

2-BUTOXYETHANOL - CAS #111-76-2

DIETHYLENE GLYCOL ETHER ETHER - CAS #111-90-0

ISOPROPYL ALCOHOL - CAS #67-63-0

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.