

MSDS # 114540026

FORWARD® DC

Date Issued: 20 Jun 1995

Supersedes: 10 Apr 1991

US MANUFACTURER:
 S.C. Johnson & Son, Inc.
 Phone: (800) 725-6737
 Racine, Wisconsin 53403-5011
 Emergency Phone: (800) 228-5635 Ext 092
 International
 Emergency Phone: (612) 221-3999 Ext 092

CANADIAN MANUFACTURER:
 S.C. Johnson and Son, Limited
 Phone: (519) 756-7900
 1 Webster Street
 Brantford, Ontario N3T 5R1
 Transportation Emergency:
 CANUTEC (collect) (613) 996-6666
 Poison Control: (800) 228-5635 Ext 092

| HAZARD RATING | HMIS | HAZARD | NFPA |
|-----------------|------|--------------|------|
| 4-Very High | 2 | Health | 2 |
| 3-High | 0 | Flammability | 0 |
| 2-Moderate | 0 | Reactivity | 0 |
| 1-Slight | | Special | |
| 0-Insignificant | | | |

DISTRIBUTED IN CANADA BY:
 S.C. Johnson and Son, Limited
 Phone: (519) 758-6611
 1 Webster Street
 Brantford, Ontario N3T 5R1

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME..... FORWARD® DC
 REASON FOR CHANGE..... New format.
 PRODUCT USE..... Disinfectants

| UPC | SCJ CODE | QUANTITY | US SIZE | CANADIAN SIZE |
|-------------|----------|----------|---------|---------------|
| 46500 04542 | 4542 | 1 | 5 GAL | |
| 46500 04543 | 4543 | 1 | 5 GAL | |
| 46500 04544 | 4544 | 1 | 55 GAL | |
| 46500 04545 | 4545 | 4 | 1 GAL | |
| 46500 04546 | 4546 | 4 | 64 OZ | |

SECTION 2 - INGREDIENT INFORMATION

| INGREDIENT | WEIGHT% | EXPOSURE LIMIT/TOXICITY |
|--|---------|--|
| [PA NJ MA] Sodium Hydroxide (CAS# 1310-73-2).. | 0.1-1.5 | 2 MG/M3 ACGIH/OSHA CEILING LD50: 140-340 mg/kg (oral-rat) LC50: >40 mg/m3 (inhalation-rat) 1 hr. |
| n-Alkyl Dimethyl Benzyl Ammonium Chlorides.... (CAS# 68391-01-5) | 1.6 | NOT ESTABLISHED LD50: 2,500 mg/kg (oral-rat) |
| Alkylphenoxy Polyethoxyethanol..... (CAS# 26027-38-3) | 1-5 | NOT ESTABLISHED LD50: 1,600-2,000 mg/kg (oral-rat) 2,830 mg/kg (dermal-rabbit) |
| [PA NJ MA] Sodium Tripolyphosphate..... (CAS# 7758-29-4) | 1-5 | NOT ESTABLISHED LD50: 6,500 mg/kg (oral-rat) |
| Sodium Silicate (CAS# 1344-09-8)..... | 1-5 | NOT ESTABLISHED LD50: 1,150 mg/kg (oral-rat) |
| Water (CAS# 7732-18-5)..... | 80-90 | NOT ESTABLISHED |

SECTION 3 - HEALTH HAZARDS IDENTIFICATION (Also See Section 11)

ROUTE(S) OF ENTRY..... Skin contact. Eye contact.

EFFECTS OF ACUTE EXPOSURE:

EYE..... May cause: Moderate eye irritation.
 SKIN..... May cause: Moderate skin irritation.
 INHALATION..... None known.
 INGESTION..... May be: Harmful if swallowed.

MEDICAL CONDITIONS..... Persons with pre-existing skin disorders may be more susceptible
 GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE to irritating effects.

MSDS # 114540026

FORWARD® DC

Date Issued: 20 Jun 1995

Supersedes: 10 Apr 1991

----- **SECTION 4 - FIRST AID MEASURES** -----

EYE CONTACT..... Flush immediately with plenty of water for at least 15 to 20 minutes. If irritation persists, get medical attention.

SKIN CONTACT..... Wash contaminated area with water and soap. If irritation persists, get medical attention.

INHALATION..... No special requirements.

INGESTION..... Drink 1-2 glasses of water or milk. Seek immediate medical attention.

----- **SECTION 5 - FIRE AND EXPLOSION INFORMATION** -----

FLASH POINT..... Not applicable.

FLAMMABLE LIMITS..... Not applicable.

AUTOIGNITION..... Not applicable.

TEMPERATURE.....

EXTINGUISHING MEDIA.... Foam, CO2, Dry chemical, Water fog.

SPECIAL FIREFIGHTING... Cool and use caution when approaching or handling fire-exposed containers.

PROCEDURES.....

UNUSUAL FIRE AND..... Corrosive Material (See Sections 8 and 10). Container may burst in heat of fire.

EXPLOSION HAZARDS.....

----- **SECTION 6 - PREVENTIVE RELEASE MEASURES** -----

STEPS TO BE TAKEN IN... Absorb with oil-dri or similar inert material. Sweep or scrape up
CASE MATERIAL IS and containerize. Rinse affected area thoroughly with water.
RELEASED OR SPILLED Wear/use appropriate protective equipment.

----- **SECTION 7 - HANDLING AND STORAGE** -----

PRECAUTIONARY..... Hazards to humans and animals. CAUTION: Avoid eye and skin
INFORMATION contact. May be: Harmful if swallowed. Keep out of reach of children.

OTHER HANDLING AND.... Launder contaminated clothing/ equipment before reuse. Keep out
STORAGE CONDITIONS of reach of children. Store in a cool, dry place with adequate ventilation. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Keep from freezing. Wash thoroughly after handling.

----- **SECTION 8 - SPECIAL PROTECTION INFORMATION** -----

RESPIRATORY PROTECTION. No special requirements under normal use conditions.

VENTILATION..... No special requirements.

PROTECTIVE GLOVES..... For undiluted product: Any impervious material.

EYE PROTECTION..... For undiluted product: Chemical goggles.

OTHER PROTECTIVE..... If major exposure is possible to eyes/skin, wear/use appropriate
MEASURES protective equipment.

----- **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES** -----

COLOR..... Green

PRODUCT STATE..... Liquid.

ODOR..... Mild

PH..... 12.5-13.5

ODOR THRESHOLD..... Not available.

SOLUBILITY IN WATER.... Complete

SPECIFIC GRAVITY..... 1.08
(H2O=1)

VAPOR DENSITY (AIR=1).. Not available.

EVAPORATION RATE (BUTYL ACETATE=1) Not available.

MSDS # 114540026

FORWARD® DC

Date Issued: 20 Jun 1995

Supersedes: 10 Apr 1991

----- **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued)** -----

VAPOR PRESSURE (mm HG). Not available.
BOILING POINT..... 200°F (93°C)
FREEZING POINT..... Not available.
COEFFICIENT OF..... Not available.
WATER/OIL
PERCENT VOLATILE BY.... Not available.
VOLUME (%)
VOLATILE ORGANIC..... Not available.
COMPOUND (VOC)
THEORETICAL VOC..... Not available.
(LB/GAL)

----- **SECTION 10 - STABILITY AND REACTIVITY** -----

STABILITY..... Stable
STABILITY - CONDITIONS. None known.
TO AVOID
INCOMPATIBILITY..... Strong acids (eg., muriatic acid).
HAZARDOUS DECOMPOSITION. When exposed to fire: Produces normal products of combustion.
PRODUCTS
HAZARDOUS..... Will not occur.
POLYMERIZATION
HAZARDOUS..... None known.
POLYMERIZATION -
CONDITIONS TO AVOID

----- **SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3)** -----

LD50 (ACUTE ORAL TOX).. Not available.
LD50 (ACUTE DERMAL TOX) Not available.
LC50 (ACUTE INHALATION. Not available.
TOX)
EFFECTS OF CHRONIC..... None known.
EXPOSURE
SENSITIZATION..... None known.
CARCINOGENICITY..... None known.
REPRODUCTIVE TOXICITY.. None known.
TERATOGENICITY..... None known.
MUTAGENICITY..... None known.

----- **SECTION 12 - ECOLOGICAL INFORMATION** -----

ENVIRONMENTAL DATA..... Not available.

----- **SECTION 13 - DISPOSAL CONSIDERATIONS** -----

WASTE DISPOSAL..... For undiluted product: PESTICIDAL WASTE - Observe all applicable
INFORMATION Federal/ Provincial/ State regulations and Local/ Municipal
ordinances regarding disposal of pesticide wastes.

----- **SECTION 14 - TRANSPORTATION INFORMATION** -----

US DOT INFORMATION..... Cleaning, scouring or washing compounds, N.O.I., Liquids
CANADIAN SHIPPING NAME. Not applicable.
TDG CLASSIFICATION..... Not applicable.
PIN/NIP..... Not applicable.

MSDS # 114540026

FORWARD® DC

Date Issued: 20 Jun 1995

Supersedes: 10 Apr 1991

----- SECTION 14 - TRANSPORTATION INFORMATION (continued) -----

PACKING GROUP..... Not applicable.
EXEMPTION NAME..... Not applicable.

----- SECTION 15 - REGULATORY INFORMATION -----

WHMIS CLASSIFICATION... Not applicable.

All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

All ingredients in this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

This product is not subject to the reporting requirements under California's Proposition 65. These ingredients from Section 2 are subject to the following reporting requirements:

PA - The Pennsylvania Hazardous Substance List
NJ - The New Jersey Right to Know Hazardous Substance List
MA - The Massachusetts Hazardous Substance List

----- SECTION 16 - OTHER INFORMATION -----

ADDITIONAL INFORMATION. Use as directed.
EPA REGISTRATION #..... 4822-21

----- PREPARATION INFORMATION -----

PREPARED BY..... Manufacturer's Technical Support Department. Refer to page 1
(Manufacturer) for contact information.

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

PRINT DATE: 15 Nov 1995