



PRODUCT NAME: FORWARD

Serial No: 16

Issued: 1991-06-13

Supersedes: 1991-02-18

PRODUCT IDENTIFICATION

PRODUCT NAME: FORWARD

MANUFACTURER

S.C. JOHNSON & SON, LIMITED
EMERGENCY PHONE NO: (519)756-7900
1 WEBSTER STREET
BRANTFORD, ONTARIO N3T 5R1

PRODUCT USE :
COMMERCIAL CLEANING PRODUCT

HMIS RATING

HEALTH : 2
FLAMMABILITY : 0
REACTIVITY : 1
SPECIAL WARNING :

DISTRIBUTOR

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PERSONAL PROTECTIVE EQUIPMENT CODE : R

THIS SHEET REFERS TO FINISHED PRODUCT CODES :

Table with 3 columns: FG CODE, QTY, SIZE. Rows include 04543 (4 / 4.50 LT), 04548 (1 / 20.00 LT), 04549 (1 / 209.00 LT), 04542 (4 / 4.00 LT).

INGREDIENT INFORMATION

WEIGHT % INGREDIENT

- 2 - 3 SODIUM METASILICATE (CAS 6834-92-0)
EXP. LIMITS: NOT ESTABLISHED
LD50: 847 MG/KG (ORAL - RAT)
0.5 - 1.0 TETRASODIUM SALT OF EDTA (CAS 64-02-8)
EXP. LIMITS: NOT ESTABLISHED
LD50: 300 MG/KG (ORAL - RAT)
4 - 6 SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)
EXP. LIMITS: NOT ESTABLISHED
LD50: 6,500 MG/KG (ORAL - RAT)
1.5 - 2.0 ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE (CAS 8001-54-5)
EXP. LIMITS: 1000 PPM (TLV-TWA ACGIH) ETHANOL
LD50: 300 MG/KG (ORAL-RAT); >500 MG/KG (DERMAL-RABBIT)
1 - 4 NONYL PHENOL ETHOXYLATE (CAS 9016-45-9)
EXP. LIMITS: NOT ESTABLISHED
LD50: 3000 MG/KG (ORAL-RAT); 2830 MG/KG (DERMAL-RABBIT)



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INGREDIENT INFORMATION (Continued)

80 - 85 WATER

PHYSICAL DATA

PHYSICAL STATE :

LIQUID

ODOUR/APPEARANCE :

GREENISH LIQUID WITH MILD ODOUR

ODOUR THRESHOLD :

NOT AVAILABLE

SPECIFIC GRAVITY (WATER = 1.0):

1.075

VAPOUR PRESSURE (MM HG) :

SAME AS WATER

VAPOUR DENSITY (AIR = 1.0) :

SAME AS WATER

WATER SOLUBILITY :

COMPLETE

EVAPORATION RATE (BUTYL ACETATE = 1.0) :

NOT AVAILABLE

BOILING POINT (DEG C) :

100

FREEZING POINT (DEG C) :

0

PH :

12.0 - 12.5

FIRE AND EXPLOSION INFORMATION

FLASH POINT (DEG C) :

NOT APPLICABLE

FLAMMABLE LIMITS :

NOT APPLICABLE

AUTO-IGNITION TEMP (DEG C) :

NOT APPLICABLE

FLAMMABILITY CLASSIFICATION :

NOT APPLICABLE

EXTINGUISHING MEDIA :

CARBON DIOXIDE; FOAM; DRY CHEMICAL; WATER FOG;

SPECIAL FIREFIGHTING PROCEDURES :

NORMAL FIRE FIGHTING PROCEDURE MAY BE USED.

COOL AND USE CAUTION WHEN APPROACHING CONTAINERS.

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**FIRE AND EXPLOSION INFORMATION (Continued)**

**EXPLOSION DATA :**

NO EXPLOSION SENSITIVITY.

----- **TOXICOLOGICAL AND FIRST AID DATA** -----

**LD50 :** > 10,000 MG/KG (ORAL - RAT)

SOURCE: WARF INSTITUTE, INC. REPORT NO. 4020830

**LC50 :** NOT APPLICABLE

**PRIMARY ROUTE OF ENTRY :**

SKIN CONTACT, EYE CONTACT

**EFFECTS OF ACUTE EXPOSURE :**

MAY CAUSE EYE IRRITATION.

PROLONGED EXPOSURE MAY CAUSE SKIN IRRITATION.

IF TAKEN INTERNALLY MAY CAUSE IRRITATION TO MUCOUS MEMBRANES.

**EFFECTS OF CHRONIC EXPOSURE :**

NONE KNOWN

**IRRITANCY OF PRODUCT :**

MILDLY IRRITATING TO SKIN.

MODERATELY IRRITATING TO EYES.

**SENSITIZATION :**

NONE KNOWN

**CARCINOGENICITY :**

NONE KNOWN

**REPRODUCTIVE TOXICITY :**

NONE KNOWN

**TERATOGENICITY :**

NONE KNOWN

**MUTAGENICITY :**

NONE KNOWN

----- **FIRST AID PROCEDURES** -----

**EYE CONTACT :**

FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES.

IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

**SKIN CONTACT :**

WASH CONTAMINATED AREA WITH WARM WATER AND SOAP.

IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

**INHALATION :**

REMOVE TO FRESH AIR.

**INGESTION :**

DILUTE WITH 1 - 2 GLASSES OF WATER.



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----- REACTIVITY DATA -----

STABILITY :

STABLE

CONDITIONS TO AVOID :

NONE KNOWN

INCOMPATIBILITY :

DO NOT MIX WITH ANIONIC MATERIALS.

HAZARDOUS DECOMPOSITION PRODUCTS :

NONE KNOWN

HAZARDOUS POLYMERIZATION :

WILL NOT OCCUR.

CONDITIONS TO AVOID :

NOT APPLICABLE

----- PREVENTIVE MEASURES -----

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED :

ABSORB WITH OIL-DRI.

SWEEP/SCRAPE UP. CONTAINERIZE.

RINSE EFFECTED AREA THOROUGHLY WITH WATER.

WASTE DISPOSAL INFORMATION :

NEUTRALIZE UNDILUTED PRODUCT BEFORE DISPOSAL, IF POSSIBLE.

DISPOSAL IS REGULATED UNDER THE TDG ACT AND THE EPA AS A CORROSIVE WASTE. OBSERVE ALL FEDERAL, PROVINCIAL AND MUNICIPAL REGULATIONS.

DILUTED PRODUCT MAY BE SEWERED TO A PUBLIC-OWNED TREATMENT WORKS IN COMPLIANCE WITH LOCAL PRETREATMENT REQUIREMENTS.

----- SPECIAL PROTECTION INFORMATION -----

RESPIRATORY PROTECTION :

NOT REQUIRED

VENTILATION :

ROOM VENTILATION SHOULD BE SUFFICIENT.

PROTECTIVE GLOVES :

ANY IMPERVIOUS GLOVE FOR UNDILUTED PRODUCT OR PROLONGED EXPOSURE.

EYE PROTECTION :

CHEMICAL GOGGLES FOR UNDILUTED PRODUCT

OTHER PROTECTIVE MEASURES :

NOT REQUIRED



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SPECIAL PRECAUTIONS  
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PRECAUTIONARY LABELING :

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

WEAR SUITABLE PROTECTIVE CLOTHING.

OTHER HANDLING AND STORAGE CONDITIONS :

STORE IN COOL, DRY, WELL-VENTILATED AREA.

KEEP FROM FREEZING.

RESIDUE IN CONTAINER MUST BE HANDLED WITH CAUTION.

OBSERVE GOOD PERSONAL HYGIENE PRACTICES.

LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE.

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ADDITIONAL INFORMATION  
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SHIPPING NAME :

TDG CLASSIFICATION : N/R

PIN/NIP :

PACKING GROUP :

PLACARD :

EXEMPTION NAME :

WHMIS CLASSIFICATION : REGULATED UNDER D.I.N. NO. 413593

REMARKS :

AND P.C.P. NO. 11663

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PREPARATION INFORMATION  
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PREPARED BY : R&D DEPT., S.C. JOHNSON & SON, LIMITED

PHONE NUMBER : (519) 756-7900

PREPARAION DATE: 1991-06-13

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\*\*\*\*\* END OF MATERIAL SAFETY DATA SHEET \*\*\*\*\*



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