MATERIAL SAFETY DATA SHEET

PUREX INDUSTRIAL DIVISION
IVAX INDUSTRIES, INC.
101 ROCK RD. - ROCK PLAZA III
HORSHAM, PA 19044

PRODUCT IDENTIFICATION

PRODUCT NAME: CAS NO.: NA-MIXTURE
FRANKLIN COMPARE (GENERAL PURPOSE LOW FOAM CLEANER)
SYNONYMS:
0806701
CHEMICAL NAME:
NA-MIXTURE
MOLECULAR FORMULA:
NA-MIXTURE
CHEMICAL FAMILY: AQUEOUS SURFACTANT SOLUTION

INGREDIENTS—Hazard Classifications

COMPONENTS-HAZARDOUS

CAS NO. % COMMENTS
ETHOXYLATED NONYLPHENOL 09016-45-9 1-5 ACGIH-TLV: NE
OSHA-PEL: NE
LD50: 2590MG/KG (ORL-RAT)
LD50: 2830MG/KG (SKN-RBT)
FULL NAME: NONYLPHENOXY-
POLY (ETHYLENEOXY) ETHANOL

COMPONENTS-OTHER

CAS NO. % COMMENTS
WATER 07732-18-5 90-99 ACGIH-TLV: NE
OSHA-PEL: NE

SHIPPING INFORMATION

PROPER SHIPPING NAME: COMPOUND, CLEANING, LIQUID, NOI
HAZARD CLASS: NOT REGULATED BY THE DOT
HAZARD IDENTIFICATION NUMBER: NONE

PHYSICAL PROPERTIES

BOILING POINT/RANGE: 212 DEG F (100 DEG C)
MELTING POINT: NA
FREEZING POINT: NE
MOLECULAR WEIGHT: SPECIFIC GRAVITY (H2O=1): VAPOR PRESSURE (MM HG):
NA-MIXTURE 1.0 (@ 20 DEG C) NA
VAPOR DENSITY (AIR=1): 100%
>1 SOLUBILITY IN H2O: 95
APPEARANCE AND ODOR:
GREEN LIQUID; FRESH FLORAL ODOR - PH CONCENTRATE= 8.0-9.0

FI RE AND EXPLOSION DATA

FLASH POINT: NA - NOT APPLICABLE
FLAMMABLE LIMITS: LOWER: NE
AUTOIGNITION TEMP.: NE
NA - NOT APPLICABLE
(NE - NOT ESTABLISHED
(R) - INDICATES REGISTERED TRADEMARK OF IVAX INDUSTRIES, INC.
EXTINGUISHING MEDIA: NA

SPECIAL FIRE FIGHTING PROCEDURES: NA

UNUSUAL FIRE AND EXPLOSION HAZARDS: NA

REACTIVITY DATA

STABILITY: CONDITIONS CONTRIBUTING TO INSTABILITY: NA
STABLE

INCOMPATIBILITY-AVOID CONTACT WITH:

STRONG ACIDS
CONTACT WITH STRONG ACIDS MAY CAUSE AN EXOTHERMIC REACTION WHICH IS CHARACTERIZED BY THE EVOLUTION OF HEAT AND POSSIBLE SPLATTERING OF THE CHEMICALS INVOLVED. CONTACT WITH BLEACH MAY RESULT IN THE FORMATION OF TOXIC GASES.

HAZARDOUS DECOMPOSITION THERMAL AND OTHER: NA

CONDITIONS TO AVOID: NA

TOXICITY

ROUTE ANIMAL DATA
ORAL MIXTURE HAS NOT BEEN TESTED. NE
DERMAL SEE INDIVIDUAL COMPONENT DATA NE
INHALATION IN INGREDIENTS SECTION. NE

TOXIC EFFECTS

EYE EFFECTS: IRRITANT
MODERATELY IRRITATING TO THE EYES.

SKIN EFFECTS: IRRITANT
MAY CAUSE MODERATE SKIN IRRITATION.

OTHER TOXIC EFFECTS:

ROUTES OF ENTRY: SKIN/EYE CONTACT-YES, INGESTION-YES, INHALATION-NO,
SKIN ABSORPTION-NO.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: DATA NOT AVAILABLE.

TARGET ORGAN TOXIN:
CAUSES EYE AND SKIN IRRITATION.

TOXICITY COMMENTS:

NA - NOT APPLICABLE
NE - NOT ESTABLISHED
(R) - INDICATES REGISTERED TRADEMARK OF IVAX INDUSTRIES, INC.
IVAX INDUSTRIES, INC.     MSDS         PRODUCT CODE: 12160. 0
                      DATE: 5/07/93 PAGE: 3

HMIS HAZARD RATING:  HEALTH-1, FLAMMABILITY-0, REACTIVITY-0

PERMISSIBLE EXPOSURE LIMITS
SINCE THIS PRODUCT IS A MIXTURE, THERE IS NO EXPOSURE LIMIT ESTABLISHED
FOR IT. HAZARDOUS COMPONENTS AND THEIR ASSOCIATED PERMISSIBLE EXPOSURE
LIMITS ARE LISTED IN THE SECTION TITLED 'INGREDIENTS-------HAZARD
CLASSIFICATIONS.'

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EMERGENCY FIRST AID

INGESTION
DO NOT INDUCE VOMITING  GIVE PLENTY OF WATER  GET MEDICAL ATTENTION

DERMAL
WASH WITH SOAP CONTAMINATED
AND WATER CLOTHING
REMOVE & LAUNDER

EYE CONTACT
FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES GET MEDICAL
HOLD EYELIDS OPEN WHILE FLUSHING. ATTENTION

INHALATION NA

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SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS:
USE WITH ADEQUATE VENTILATION

EYE: SAFETY GLASSES

HAND (GLOVE TYPE): ANY NON-PERMEABLE TO PRODUCT

SUITABLE GLOVE MATERIALS INCLUDE RUBBER OR VINYL.

RESPIRATOR TYPE: NA

RESPIRATORY PROTECTION IS NOT NEEDED WHEN USING THIS
PRODUCT.

OTHER PROTECTIVE EQUIPMENT:
IT IS RECOMMENDED THAT ADEQUATE WASHING FACILITIES BE NEARBY IN CASE OF
CONTACT WITH THIS PRODUCT. PERSONNEL WORKING WITH THIS MATERIAL SHOULD
FAMILIARIZE THEMSELVES WITH THE LOCATION OF THESE FACILITIES. IN CASE
OF ACCIDENTAL EYE CONTACT, THE REMOVAL OF THE MATERIAL FROM THE EYES
MUST BE DONE IMMEDIATELY.

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SPECIAL HANDLING AND STORAGE CONDITIONS

NA - NOT APPLICABLE  NE - NOT ESTABLISHED
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WASH THOROUGHLY DO NOT GET IN EYES, DO NOT BREATHE AFTER HANDLING ON SKIN OR CLOTHING DUST, VAPOR, MIST, GAS
KEEP CONTAINER CLOSED
EMPTY CONTAINER MAY CONTAIN HAZARDOUS RESIDUES
STORE INSIDE AT 40-100 DEG F. ADD THIS PRODUCT CAREFULLY TO WATER TO AVOID SPLASHING MATERIAL ONTO SKIN OR CLOTHING. A PROGRAM OF REGULAR CLEANING, REPAIRING, AND REPLACING OF WORN-OUT PARTS AND CONTAMINATED EQUIPMENT IS HIGHLY DESIRABLE.

SPILL MANAGEMENT
FLUSH WITH ABSORB WITH SAND WATER OR INERT MATERIAL
PREVENT SPREAD OR SPILL
FOR THE CONCENTRATE: DIKE AREA IF SPILLAGE IS LARGE. MOP UP LIQUID AND FLUSH WITH WATER. ALLOW AREA TO DRY.
FOR THE USE SOLUTION: FOLLOW SAME PROCEDURE USED FOR THE CONCENTRATE.

DISPOSAL PROCEDURES
DISPOSE OF THE CONCENTRATE OR SPENT SOLUTIONS AND RINSES BY FLUSHING WITH WATER INTO WASTE TREATMENT SYSTEMS WHEN ALLOWED BY FEDERAL, STATE, AND LOCAL ORDINANCES.

CONSULT FEDERAL, STATE, OR LOCAL AUTHORITIES FOR PROPER DISPOSAL PROCEDURES

MSDS PREPARED BY WHITNEY RANDALL

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