SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS: BIO-PURE
TRADE NAME & SYNONYMS: N/A

CHEMICAL FAMILY:

AQUEOUS DETERGENT
FORMULA: X-MIXTURE

MANUFACTURER'S NAME:
CHEMSEARCH DIV. OF NCH CORP.

ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE):
BND 1811
IRVING, TEXAS 75015

PREPARED BY: R.TOLLEY/T.S. CHEMIST

PRODUCT CODE NUMBER: 1819
EMERGENCY TELEPHONE NUMBER: 214-438-1081

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS.

CHEMICAL NAME (INGREDIENTS):
NONYLPHENOXYPOLYETHYLENETHANOL
Hazard --> EYE IRR
TLY --> NOT EST.
CAS# --> 60280-18-6
PEL --> NOT EST.

SECTION IIIA - NON-HAZARDOUS INGREDIENTS

NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE
SECRET REGISTRY # 409369-51947

SECTION III - PHYSICAL DATA

BOILING POINT (FAHRENHEIT): 212
SPEC GRAVITY (H2O=1): 1.018

VAPOUR PRESSURE (MM HG): 10
COLOR: GREEN

VAPOUR DENSITY (AIR=1): 0.6
ODOR: MILD

PH @ 100S: 9.0
CLARITY: OPAQUE

PERCENT VOLATILE BY VOLUME (%): 85
EVAPORATION RATE (BU AC = 1): 0.10

LIQUIDITY IN WATER: COMPLETE

VISCOITY: SEMI-VISCUS

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED) N/A
FLAMMABLE LIMITS N/A
LEL N/A
UEL N/A

EXTINGUISHING MEDIA: DRY POWDER
<--FOAM
<--CO2
<--CHEMICAL
<--OTHER

SPECIAL FIRE FIGHTING PROCEDURES:
SPRAY EXPOSED CONTAINERS WITH WATER TO REDUCE STEAM PRODUCTION.

UNUSUAL FIRE & EXPLOSION HAZARDS
N/A

NFPA HAZARD RATING (0=INSIGNIFICANT; 1=SLIGHT; 2=MEDIUM; 3=HIGH; 4=EXTREME):
1 <--HEALTH
0 <--FLAMMABILITY
0 <--REACTIVITY
0 <--SPECIAL

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE:
ACUTE - (SHORT TERM EXPOSURE)
DIRECT CONTACT WITH THE EYES MAY CAUSE IRRITATION.
BIO-PURE

SECTION V - HEALTH HAZARD DATA

DIRECT CONTACT WITH EYES FOR PROLONGED PERIOD OF TIME CAN CAUSE CORNEAL DAMAGE. PROLONGED SKIN CONTACT MAY CAUSE SKIN IRRITATION TO PERSONS WITH SENSITIVE SKIN WHICH COULD LEAD TO DERMATITIS.

PROCEDURE OF ENTRY: X<-- INHALATION X<-- ABSORPTION

EMERGENCY & FIRST AID PROCEDURES

INHALATION

REMOVE PERSON FROM AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IMMEDIATELY.

EYE CONTACT

OBJECT IS TO SEEK MEDICAL ATTENTION IMMEDIATELY. IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES HOLDING EYELIDS APART. FLUSHING OF THE ENTIRE EYE SURFACE. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN CONTACT

WASH WITH PLENTY OF WATER. IF IRRITATION PERSIST SEEK MEDICAL ATTENTION.

INGESTION

IF SWALLOWED DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. IF AVAILABLE GIVE SEVERAL GLASSES OF CITRUS JUICE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION IMMEDIATELY.

PRODUCT IS OF INHERENTLY LOW TOXICITY.

SECTION VI - TOXICITY INFORMATION

PRODUCT CONTAINS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:

IARC X<--YES NTP X<--YES OSHA X<--YES ACGIH X<--YES OTHER X<--NO

NONYLPHENOL POLYETHOXY ETHER

LD50 2600MG/KG 1.

SECTION VII - REACTIVITY DATA

STABILITY X<--STABLE X<--UNSTABLE CONDITIONS TO AVOID

N/A

INCOMPATIBILITY (MATERIALS TO AVOID)

N/A

SECTION VII - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS

OXIDES OF CARBON UPON BURNING

HAZARDOUS X<--WILL NOT OCCUR X<--OCCUR CONDITIONS TO AVOID

N/A

POLYMERIZATION

N/A

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

FLUSH SURFACE WITH LARGE VOLUMES OF WATER AND FLUSH DOWN DRAIN.

WASTE DISPOSAL METHOD

DISPOSE OF IN ACCORDANCE WITH STATE, FEDERAL & LOCAL REGULATIONS CONCERNING HEALTH POLLUTION.

NEUTRALIZING AGENT

FLUSH WITH LARGE AMOUNTS OF WATER.

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION

GOOD INDUSTRIAL HYGIENE PRACTICE DISCOURAGES THAT THE WORK AREAS SHOULD PROVIDE ADEQUATE VENTILATION OR CONTROLS TO MAINTAIN AND MEET OSHA REQUIREMENTS.

RESPIRATORY PROTECTION

TYPICAL USE OF THIS PRODUCT DOES NOT REQUIRE SPECIAL RESPIRATORY PROTECTION.

PROTECTIVE GLOVES

GLOVES MAY BE WORN IF USER HAS SENSITIVE SKIN.

EYE PROTECTION

EYE PROTECTION SHOULD BE WORN IF EXPOSURE IS POSSIBLE.

OTHER PROTECTION

N/A
SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE

120 F. < - MAX
32 F. < - MIN

STORE AT MODERATE TEMPERATURES.

INDOOR | HEATED | REFRIGERATED | OUTDOOR

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING

OTHER PRECAUTIONS
KEEP OUT OF REACH OF CHILDREN.
READ ENTIRE LABEL BEFORE USING.

SECTION XI - REGULATORY INFORMATION

CHEMICAL NAME
UPPER % LIMIT
N/A


IF USE (USE EXEMPTION) APPEARS UNDER UPPER % LIMIT END USERS ARE EXEMPT FROM NOTIFICATION BECAUSE THE PRODUCT IS USED AND LABELED FOR ROUTINE JANITORIAL WORK, OR THE PRODUCT IS USED AND LABELED FOR FACILITY GROUNDS MAINTENANCE (SUCH AS FERTILIZERS AND HERBICIDES), OR THE PRODUCT IS USED AND LABELED FOR MAINTAINING MOTOR VEHICLES.

CALIFORNIA PROPOSITION 65
WARNING: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE (1) CANCER OR (2) BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM:
NONE

SECTION XII - TRANSPORTATION *(FOR FUTURE USE)*

APPLICABLE REGULATIONS

TARIFF 6 D
IATA
MILITARY AIR (AFR 71-4)

SHIPPING NAME

HAZARD CLASS
ID NUMBER | REPORT QTY

LABELS

UNIT CONTAINER

BIO-PURE

(CONTINUED) SECTION XII - TRANSPORTATION *(FOR FUTURE USE)* PAGE : 06

DOT SPS CONTAINER
NET EXPLOSIVE WT.

AEROSOL PROPELLANT(S)

SECTION XIII - REFERENCES

1. VENDOR'S MANUAL.

*EXPOSURE LIMIT (TWA) LISTED AS FINAL RULE LIMITS PUBLISHED IN THE FEDERAL REGISTER/VOL. 54 NO. 12 1-19-99

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