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S A F E T Y D A T A S H E E T

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #:	01279
NAME:	Triton X-100 solution
SYNONYMS:	<i>tert</i> -Octylphenoxy polyethoxyethanol solution
24 HOUR EMERGENCY TELEPHONE:	(800) 535-5053(USA) 352-323-3500 (INTERNATIONAL)
TO REQUEST AN MSDS:	(800) 869-9290
CUSTOMER SERVICE:	(630) 766-2112

SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)

ACUTE TOXICITY, ORAL (CATEGORY 4), H302

SKIN IRRITATION, (CATEGORY 2), H315

SERIOUS EYE DAMAGE (CATEGORY 1), H318

SHORT-TERM (ACUTE) AQUATIC HAZARD, (CATEGORY 1), H400

LONG-TERM (CHRONIC) AQUATIC HAZARD, (CATEGORY 1), H410

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE

SECTION 16.

**GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS
PICTOGRAM**



SIGNAL WORD DANGER

HAZARD STATEMENT(S)

H302 HARMFUL IF SWALLOWED.
H315 CAUSES SKIN IRRITATION.
H318 CAUSES SERIOUS EYE DAMAGE.
H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

PRECAUTIONARY STATEMENT(S)

P264 WASH SKIN THOROUGHLY AFTER HANDLING.
P270 DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.
P273 AVOID RELEASE TO THE ENVIRONMENT.
P280 WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION.
P301 + P312 + P330 IF SWALLOWED: CALL A POISON CENTER OR DOCTOR/ PHYSICIAN IF YOU FEEL UNWELL. RINSE MOUTH.
P302 + P352 IF ON SKIN: WASH WITH PLENTY OF WATER.
P305 + P351 + P338 + P310 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CENTER/ DOCTOR.
P332 + P313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ ATTENTION.
P391 COLLECT SPILLAGE.
P501 DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.

**HAZARDS NOT
OTHERWISE
CLASSIFIED
(HNOC) OR NOT
COVERED BY GHS** NONE

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-NO. 9036-19-5

HAZARDOUS COMPONENTS

COMPONENT	CAS NUMBER	CONCENTRATION
OCTYLPHENOL	9036-19-5	>= 80 - <= 100
POLYETHOXYETHANOL		

POLYETHYLENE GLYCOL, AVERAGE MW 8,000	25322-68-3	>= 1 - <= 5
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FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

SECTION 4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE	SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.
IF INHALED	AFTER INHALATION: FRESH AIR.
IN CASE OF SKIN CONTACT	IN CASE OF SKIN CONTACT: TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/ SHOWER.
IN CASE OF EYE CONTACT	AFTER EYE CONTACT: RINSE OUT WITH PLENTY OF WATER. IMMEDIATELY CALL IN OPHTHALMOLOGIST. REMOVE CONTACT LENSES.
IF SWALLOWED	AFTER SWALLOWING: IMMEDIATELY MAKE VICTIM DRINK WATER (TWO GLASSES AT MOST). CONSULT A PHYSICIAN.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED	THE MOST IMPORTANT KNOWN SYMPTOMS AND EFFECTS ARE DESCRIBED IN THE LABELLING (SEE SECTION 2.2) AND/OR IN SECTION 11
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED	NO DATA AVAILABLE

SECTION 5. FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA	SUITABLE EXTINGUISHING MEDIA WATER FOAM CARBON DIOXIDE (CO2) DRY POWDER
	UNSUITABLE EXTINGUISHING MEDIA FOR THIS SUBSTANCE/MIXTURE NO LIMITATIONS OF

	EXTINGUISHING AGENTS ARE GIVEN.
SPECIFIC HAZARDS DURING FIRE FIGHTING	COMBUSTIBLE. VAPOURS ARE HEAVIER THAN AIR AND MAY SPREAD ALONG FLOORS. FORMS EXPLOSIVE MIXTURES WITH AIR ON INTENSE HEATING. DEVELOPMENT OF HAZARDOUS COMBUSTION GASES OR VAPOURS POSSIBLE IN THE EVENT OF FIRE.
HAZARDOUS COMBUSTION PRODUCTS	CARBON OXIDES
SPECIFIC EXTINGUISHING METHODS	NO DATA AVAILABLE
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS	STAY IN DANGER AREA ONLY WITH SELF-CONTAINED BREATHING APPARATUS. PREVENT SKIN CONTACT BY KEEPING A SAFE DISTANCE OR BY WEARING SUITABLE PROTECTIVE CLOTHING.
FURTHER INFORMATION	SUPPRESS (KNOCK DOWN) GASES/VAPOURS/MISTS WITH A WATER SPRAY JET. PREVENT FIRE EXTINGUISHING WATER FROM CONTAMINATING SURFACE WATER OR THE GROUND WATER SYSTEM.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	ADVICE FOR NON-EMERGENCY PERSONNEL: AVOID GENERATION AND INHALATION OF DUSTS IN ALL CIRCUMSTANCES. AVOID SUBSTANCE CONTACT. ENSURE ADEQUATE VENTILATION. EVACUATE THE DANGER AREA, OBSERVE EMERGENCY PROCEDURES, CONSULT AN EXPERT. ADVICE FOR EMERGENCY RESPONDERS: FOR PERSONAL PROTECTION SEE SECTION 8.
ENVIRONMENTAL PRECAUTIONS	DO NOT LET PRODUCT ENTER DRAINS.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	COVER DRAINS. COLLECT, BIND, AND PUMP OFF SPILLS. OBSERVE POSSIBLE MATERIAL RESTRICTIONS (SEE SECTIONS 7 AND 10). TAKE UP CAREFULLY. DISPOSE OF PROPERLY. CLEAN UP AFFECTED AREA. AVOID GENERATION OF DUSTS.
REFERENCE TO OTHER	FOR DISPOSAL SEE SECTION 13.

SECTIONS

SECTION 7. HANDLING AND STORAGE

**PRECAUTIONS FOR
SAFE HANDLING**

FOR PRECAUTIONS SEE SECTION 2.2.

**CONDITIONS FOR SAFE
STORAGE, INCLUDING
ANY
INCOMPATIBILITIES**

STORE UNDER INERT GAS.

TIGHTLY CLOSED.

DRY.

KEEP IN A WELL-VENTILATED PLACE.

KEEP LOCKED UP OR IN AN AREA ACCESSIBLE ONLY TO
QUALIFIED OR AUTHORISED PERSONS.

6.1C, COMBUSTIBLE, ACUTE TOXIC CAT.3 / TOXIC
COMPOUNDS OR COMPOUNDS WHICH CAUSING
CHRONIC EFFECTS

STORE AT RT

SPECIFIC END USE(S)

APART FROM THE USES MENTIONED IN SECTION 1.2 NO
OTHER SPECIFIC USES ARE STIPULATED

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

INGREDIENTS WITH WORKPLACE CONTROL PARAMETERS

COMPONENTS	CAS-NO.	VALUE TYPE (FORM OF EXPOSURE)	CONTROL PARAMETERS / PERMISSIBLE CONCENTRATION	BASIS
POLYETHYLENE GLYCOL, AVERAGE MW 8,000	25322-68-3	TWA (AEROSOL)	10 MG/M3	US WEEL

EXPOSURE CONTROLS

**APPROPRIATE
ENGINEERING
CONTROLS**

NO DATA AVAILABLE

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION	USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU). TIGHTLY FITTING SAFETY GOGGLES
SKIN PROTECTION	MATERIAL : BUTYL-RUBBER BREAK THROUGH TIME : 480 MIN GLOVE THICKNESS : 0.7 MM PROTECTIVE INDEX : FULL CONTACT MANUFACTURER : BUTOJECT® (KCL 898) MATERIAL : BUTYL-RUBBER BREAK THROUGH TIME : 480 MIN GLOVE THICKNESS : 0.7 MM PROTECTIVE INDEX : SPLASH CONTACT MANUFACTURER : BUTOJECT® (KCL 898) HANDLE WITH GLOVES. GLOVES MUST BE INSPECTED PRIOR TO USE. USE PROPER GLOVE REMOVAL TECHNIQUE (WITHOUT TOUCHING GLOVE'S OUTER SURFACE) TO AVOID SKIN CONTACT WITH THIS PRODUCT. DISPOSE OF CONTAMINATED GLOVES AFTER USE IN ACCORDANCE WITH APPLICABLE LAWS AND GOOD LABORATORY PRACTICES. WASH AND DRY HANDS. IF USED IN SOLUTION, OR MIXED WITH OTHER SUBSTANCES, AND UNDER CONDITIONS WHICH DIFFER FROM EN 374, CONTACT THE SUPPLIER OF THE CE APPROVED GLOVES. THIS RECOMMENDATION IS ADVISORY ONLY AND MUST BE EVALUATED BY AN INDUSTRIAL HYGIENIST AND SAFETY OFFICER FAMILIAR WITH THE SPECIFIC SITUATION OF ANTICIPATED USE BY OUR CUSTOMERS. IT SHOULD NOT BE CONSTRUED AS OFFERING AN APPROVAL FOR ANY SPECIFIC USE SCENARIO.
BODY PROTECTION	PROTECTIVE CLOTHING
RESPIRATORY PROTECTION	WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING RESPIRATORS ARE APPROPRIATE USE A FULL-FACE PARTICLE RESPIRATOR TYPE N100 (US) OR TYPE P3 (EN 143) RESPIRATOR CARTRIDGES AS A BACKUP TO ENGINEERING CONTROLS. IF THE RESPIRATOR IS THE SOLE MEANS OF PROTECTION, USE A FULL-FACE SUPPLIED AIR RESPIRATOR. USE RESPIRATORS AND COMPONENTS TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU).
HYGIENE MEASURES	IMMEDIATELY CHANGE CONTAMINATED CLOTHING. APPLY PREVENTIVE SKIN PROTECTION. WASH HANDS AND FACE AFTER WORKING WITH SUBSTANCE.
CONTROL OF ENVIRONMENTAL EXPOSURE	PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	COLORLESS TO LIGHT YELLOW LIQUID
ODOUR	WEAK
ODOUR THRESHOLD	NO DATA AVAILABLE
PH	5.0 - 8.0 (68 °F / 20 °C)
	CONCENTRATION: 10 G/L
MELTING	6 °C
POINT/FREEZING POINT	
INITIAL BOILING POINT	> 200 °C (1,013 HPA)
AND BOILING RANGE	
FLASH POINT	251 °C METHOD: C.C., CLOSED CUP
EVAPORATION RATE	NO DATA AVAILABLE
FLAMMABILITY (SOLID, GAS)	NO DATA AVAILABLE
UPPER/LOWER	NO DATA AVAILABLE
FLAMMABILITY OR	
EXPLOSIVE LIMITS	
VAPOUR PRESSURE	< 0.01 HPA (20 °C)
VAPOUR DENSITY	NO DATA AVAILABLE
DENSITY	1.07 G/CM ³ (20 °C)
RELATIVE DENSITY	NO DATA AVAILABLE
WATER SOLUBILITY	SOLUBLE (20 °C)
PARTITION	NO DATA AVAILABLE
COEFFICIENT: N- OCTANOL/WATER	
AUTO-IGNITION	NO DATA AVAILABLE
TEMPERATURE	
DECOMPOSITION	NO DATA AVAILABLE
TEMPERATURE	
VISCOSITY	NO DATA AVAILABLE
EXPLOSIVE	NOT CLASSIFIED AS EXPLOSIVE.
PROPERTIES	
OXIDIZING PROPERTIES	NO DATA AVAILABLE
OTHER SAFETY INFORMATION	NO DATA AVAILABLE

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY	FORMS EXPLOSIVE MIXTURES WITH AIR ON INTENSE HEATING. A RANGE FROM APPROX. 15 KELVIN BELOW THE FLASH POINT IS TO BE RATED AS CRITICAL.
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CHEMICAL STABILITY	THE PRODUCT IS CHEMICALLY STABLE UNDER STANDARD AMBIENT CONDITIONS (ROOM TEMPERATURE).
POSSIBILITY OF HAZARDOUS REACTIONS	VIOLENT REACTIONS POSSIBLE WITH: STRONG OXIDIZING AGENTS STRONG ACIDS
CONDITIONS TO AVOID	STRONG HEATING
INCOMPATIBLE MATERIALS	NO DATA AVAILABLE
HAZARDOUS DECOMPOSITION PRODUCTS	IN THE EVENT OF FIRE: SEE SECTION 5

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY	LD50 ORAL - RAT - 1,900 - 5,000 MG/KG REMARKS: (EXTERNAL MSDS) SYMPTOMS: VOMITING, IRRITATIONS OF MUCOUS MEMBRANES IN THE MOUTH, PHARYNX, OESOPHAGUS AND GASTROINTESTINAL TRACT., RISK OF ASPIRATION UPON VOMITING., ASPIRATION MAY CAUSE PULMONARY OEDEMA AND PNEUMONITIS. INHALATION: NO DATA AVAILABLE LD50 DERMAL - RABBIT - > 3,000 MG/KG LD50 DERMAL - RABBIT - > 3,000 MG/KG REMARKS: (EXTERNAL MSDS)
SKIN CORROSION/IRRITATION	SKIN – RABBIT RESULT: IRRITATING - 4 H (OECD TEST GUIDELINE 404) REMARKS: THE VALUE IS GIVEN IN ANALOGY TO THE FOLLOWING SUBSTANCES: 4-(1,1,3,3-TETRAMETHYLBUTYL)PHENOL
SERIOUS EYE DAMAGE/EYE IRRITATION	EYES – RABBIT RESULT: RISK OF SERIOUS DAMAGE TO EYES. (DRAIZE TEST) REMARKS: RISK OF CORNEAL CLOUDING.

RESPIRATORY OR SKIN SENSITISATION	SENSITISATION TEST: - HUMAN RESULT: NEGATIVE REMARKS: (EXTERNAL MSDS) PATCH TEST ON HUMAN VOLUNTEERS DID NOT DEMONSTRATE SENSITISATION PROPERTIES.
GERM CELL MUTAGENICITY	NO DATA AVAILABLE
CARCINOGENICITY	
IARC:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC.
NTP:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.
OSHA:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS ON OSHA'S LIST OF REGULATED CARCINOGENS.
REPRODUCTIVE TOXICITY	INGESTION OF EXCESSIVE AMOUNTS BY PREGNANT ANIMALS RESULTED IN MATERNAL AND FOETAL TOXICITY. DID NOT SHOW TERATOGENIC EFFECTS IN ANIMAL EXPERIMENTS.
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	NO DATA AVAILABLE
ASPIRATION HAZARD	NO DATA AVAILABLE
ADDITIONAL INFORMATION	TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. INGESTION OF LARGE AMOUNTS MAY CAUSE:, NAUSEA, DIARRHOEA

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY PRODUCT:	
TOXICITY TO FISH	LC50 (PIMEPHALES PROMELAS (FATHEAD MINNOW)): 4 - 8.9 MG/L EXPOSURE TIME: 96 H

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES	LC50 (DAPHNIA MAGNA (WATER FLEA)): 18 - 26 MG/L EXPOSURE TIME: 48 H
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COMPONENTS:

OCTYLPHENOL POLYETHOXYETHANOL:

TOXICITY TO FISH	LC50 (LEUCISCUS IDUS (GOLDEN ORFE)): 0.26 MG/L EXPOSURE TIME: 96 H TEST TYPE: SEMI-STATIC TEST ANALYTICAL MONITORING: YES METHOD: OECD TEST GUIDELINE 203 GLP: YES REMARKS: THE VALUE IS GIVEN IN ANALOGY TO THE FOLLOWING SUBSTANCES: THE VALUE IS GIVEN IN ANALOGY TO THE FOLLOWING SUBSTANCES: 4-(1,1,3,3- TETRAMETHYLBUTYL)PHENOL
TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES	EC50 (DAPHNIA MAGNA (WATER FLEA)): 0.011 MG/L EXPOSURE TIME: 48 H TEST TYPE: STATIC TEST REMARKS: (ECOTOX DATABASE) THE VALUE IS GIVEN IN ANALOGY TO THE FOLLOWING SUBSTANCES: THE VALUE IS GIVEN IN ANALOGY TO THE FOLLOWING SUBSTANCES: 4-(1,1,3,3- TETRAMETHYLBUTYL)PHENOL
TOXICITY TO ALGAE/AQUATIC PLANTS	EC50 (PSEUDOKIRCHNERIELLA SUBCAPITATA (GREEN ALGAE)): 1.9 MG/L EXPOSURE TIME: 96 H TEST TYPE: STATIC TEST GLP: YES REMARKS: (ECHA) THE VALUE IS GIVEN IN ANALOGY TO THE FOLLOWING SUBSTANCES: THE VALUE IS GIVEN IN ANALOGY TO THE FOLLOWING SUBSTANCES: 4-(1,1,3,3- TETRAMETHYLBUTYL)PHENOL
M-FACTOR (ACUTE AQUATIC TOXICITY) TOXICITY TO FISH (CHRONIC TOXICITY)	10 NOEC (DANIO RERIO (ZEBRA FISH)): 0.012 MG/L TEST TYPE: FLOW-THROUGH TEST ANALYTICAL MONITORING: YES METHOD: OECD TEST GUIDELINE 210 REMARKS: THE VALUE IS GIVEN IN ANALOGY TO THE FOLLOWING SUBSTANCES: THE VALUE IS GIVEN IN ANALOGY TO THE FOLLOWING SUBSTANCES: 4-(1,1,3,3- TETRAMETHYLBUTYL)PHENOL

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES (CHRONIC TOXICITY)	NOEC (DAPHNIA MAGNA (WATER FLEA)): 0.03 MG/L END POINT: REPRODUCTION RATE EXPOSURE TIME: 21 D TEST TYPE: SEMI-STATIC TEST ANALYTICAL MONITORING: YES METHOD: OECD TEST GUIDELINE 202 GLP: YES REMARKS: THE VALUE IS GIVEN IN ANALOGY TO THE FOLLOWING SUBSTANCES: THE VALUE IS GIVEN IN ANALOGY TO THE FOLLOWING SUBSTANCES: 4-(1,1,3,3- TETRAMETHYLBUTYL)PHENOL 1
M-FACTOR (CHRONIC AQUATIC TOXICITY)	

POLYETHYLENE GLYCOL, AVERAGE MW 8,000: TOXICITY TO FISH	REMARKS: NO DATA AVAILABLE
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PERSISTENCE AND DEGRADABILITY

COMPONENTS:	OCTYLPHENOL POLYETHOXYETHANOL:
BIODEGRADABILITY	AEROBIC INOCULUM: ACTIVATED SLUDGE CONCENTRATION: 100 MG/L RESULT: NOT READILY BIODEGRADABLE. BIODEGRADATION: 22 % EXPOSURE TIME: 28 D METHOD: OECD TEST GUIDELINE 301C

POLYETHYLENE GLYCOL, AVERAGE MW 8,000: BIODEGRADABILITY	REMARKS: NO DATA AVAILABLE
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BIOACCUMULATIVE POTENTIAL

COMPONENTS:	POLYETHYLENE GLYCOL, AVERAGE MW 8,000:
BIOACCUMULATION	REMARKS: NO DATA AVAILABLE

MOBILITY IN SOIL	NO DATA AVAILABLE
COMPONENTS:	POLYETHYLENE GLYCOL, AVERAGE MW 8,000:
STABILITY IN SOIL	REMARKS: NO DATA AVAILABLE

RESULTS OF PBT AND VPVB ASSESSMENT	PBT/VPVB ASSESSMENT NOT AVAILABLE AS CHEMICAL SAFETY ASSESSMENT NOT REQUIRED/NOT CONDUCTED
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OTHER ADVERSE EFFECTS

PRODUCT	
OZONE-DEPLETION POTENTIAL	REGULATION: 40 CFR PROTECTION OF ENVIRONMENT; PART 82 PROTECTION OF STRATOSPHERIC OZONE - CAA SECTION 602 CLASS I SUBSTANCES REMARKS: THIS PRODUCT NEITHER CONTAINS, NOR WAS MANUFACTURED WITH A CLASS I OR CLASS II ODS AS DEFINED BY THE U.S. CLEAN AIR ACT SECTION 602 (40 CFR 82, SUBPT. A, APP.A + B).

COMPONENTS:	OCTYLPHENOL POLYETHOXYETHANOL:
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**ADDITIONAL
ECOLOGICAL
INFORMATION**

CAUSES ENDOCRINE DISRUPTION.
DISCHARGE INTO THE ENVIRONMENT MUST BE
AVOIDED.

POLYETHYLENE GLYCOL, AVERAGE MW 8,000:

**ADDITIONAL
ECOLOGICAL
INFORMATION**

NO DATA AVAILABLE

ENDOCRINE DISRUPTING PROPERTIES

NO DATA AVAILABLE

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

WASTE FROM RESIDUES WASTE MATERIAL MUST BE DISPOSED OF IN
ACCORDANCE WITH THE NATIONAL AND LOCAL
REGULATIONS. LEAVE CHEMICALS IN ORIGINAL
CONTAINERS. NO MIXING WITH OTHER WASTE. HANDLE
UNCLEANED CONTAINERS LIKE THE PRODUCT ITSELF.

**CONTAMINATED
PACKAGING** DISPOSE OF AS UNUSED PRODUCT.

SECTION 14. TRANSPORT INFORMATION

DOT (US) NO DATA AVAILABLE

IMDG

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (P-TERTIARY-OCTYLPHENOXY
POLYETHYL ALCOHOL)

UN NUMBER: 3082

CLASS: 9

PACKING GROUP: III

EMS-NO: F-A, S-F

MARINE POLLUTANT YES

IATA

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (P-TERTIARY-OCTYLPHENOXY
POLYETHYL ALCOHOL)

UN NUMBER: 3082

CLASS: 9

PACKING GROUP: III

SPECIAL PRECAUTIONS FOR USER

REMARKS

EHS-MARK REQUIRED (ADR 2.2.9.1.10, IMDG CODE 2.10.3) FOR SINGLE PACKAGINGS AND COMBINATION PACKAGINGS CONTAINING INNER PACKAGINGS WITH DANGEROUS GOODS > 5L FOR LIQUIDS OR > 5KG FOR SOLIDS. PACKAGES SMALLER THAN OR EQUAL TO 5 KG / L , NOT DANGEROUS GOODS OF CLASS 9

THE TRANSPORT CLASSIFICATION(S) PROVIDED HEREIN ARE FOR INFORMATIONAL PURPOSES ONLY, AND SOLELY BASED UPON THE PROPERTIES OF THE UNPACKAGED MATERIAL AS IT IS DESCRIBED WITHIN THIS SAFETY DATA SHEET. TRANSPORTATION CLASSIFICATIONS MAY VARY BY MODE OF TRANSPORTATION, PACKAGE SIZES, AND VARIATIONS IN REGIONAL OR COUNTRY REGULATIONS.

SECTION 15. REGULATORY INFORMATION

CERCLA REPORTABLE QUANTITY

THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A CERCLA RQ.

SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY

THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A SECTION 304 EHS RQ.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES THRESHOLD PLANNING QUANTITY

THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A SECTION 302 EHS TPQ.

SARA 311/312 HAZARDS

ACUTE HEALTH HAZARD

SARA 313

THIS MATERIAL DOES NOT CONTAIN ANY CHEMICAL COMPONENTS WITH KNOWN CAS NUMBERS THAT EXCEED THE THRESHOLD (DE MINIMIS) REPORTING LEVELS ESTABLISHED BY SARA TITLE III, SECTION 313.

CLEAN AIR ACT

THIS PRODUCT NEITHER CONTAINS, NOR WAS MANUFACTURED WITH A CLASS I OR CLASS II ODS AS DEFINED BY THE U.S. CLEAN AIR ACT SECTION 602 (40 CFR 82, SUBPT. A, APP.A + B).

THIS PRODUCT DOES NOT CONTAIN ANY HAZARDOUS AIR POLLUTANTS (HAP), AS DEFINED BY THE U.S. CLEAN AIR ACT SECTION 112 (40 CFR 61).

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS LISTED UNDER THE U.S. CLEAN AIR ACT SECTION 112(R) FOR ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130, SUBPART F).

THE FOLLOWING CHEMICAL(S) ARE LISTED UNDER THE U.S. CLEAN AIR ACT SECTION 111 SOCM I INTERMEDIATE OR FINAL VOC'S (40 CFR 60.489):

POLYETHYLENE GLYCOL,
AVERAGE MW 8,000

25322-68-3

>= 1 - < 5 %

CLEAN WATER ACT

THIS PRODUCT DOES NOT CONTAIN ANY HAZARDOUS SUBSTANCES LISTED UNDER THE U.S. CLEANWATER ACT, SECTION 311, AND TABLE 116.4A.
THIS PRODUCT DOES NOT CONTAIN ANY HAZARDOUS CHEMICALS LISTED UNDER THE U.S. CLEANWATER ACT, SECTION 311, AND TABLE 117.3.
THIS PRODUCT DOES NOT CONTAIN ANY TOXIC POLLUTANTS LISTED UNDER THE U.S. CLEAN WATER ACT SECTION 307
THIS PRODUCT DOES NOT CONTAIN ANY PRIORITY POLLUTANTS RELATED TO THE U.S. CLEAN WATER ACT

US STATE REGULATIONS

MASSACHUSETTS RIGHT TO KNOW

NO COMPONENTS ARE SUBJECT TO THE MASSACHUSETTS RIGHT TO KNOW ACT.

MAINE CHEMICALS OF HIGH CONCERN

PRODUCT DOES NOT CONTAIN ANY LISTED CHEMICALS

VERMONT CHEMICALS OF HIGH CONCERN

PRODUCT DOES NOT CONTAIN ANY LISTED CHEMICALS

WASHINGTON CHEMICALS OF HIGH CONCERN

PRODUCT DOES NOT CONTAIN ANY LISTED CHEMICALS

THE COMPONENTS OF THIS PRODUCT ARE REPORTED IN THE FOLLOWING INVENTORIES:

TSCA	ALL SUBSTANCES LISTED AS ACTIVE ON THE TSCA INVENTORY
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TSCA LIST

NO SUBSTANCES ARE SUBJECT TO A SIGNIFICANT NEW USE RULE.
NO SUBSTANCES ARE SUBJECT TO TSCA 12(B) EXPORT NOTIFICATION REQUIREMENTS.

SECTION 16. OTHER INFORMATION

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.

H302	HARMFUL IF SWALLOWED.
H315	CAUSES SKIN IRRITATION.
H318	CAUSES SERIOUS EYE DAMAGE.
H410	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

MSDS LEGEND

MW:	MOLECULAR WEIGHT
MF:	MOLECULAR FORMULA
VOC:	VOLATILE ORGANIC COMPOUNDS
ACGIH:	AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGINISTS
CAS:	CHEMICAL ABSTRACTS SERIVE REGISTRY NUMBER

OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL: PERMISSIBLE EXPOSURE LIMIT (OSHA)
TLV: THRESHOLD LIMIT VALUE (ACGIH)

IMPORTANT:

THE INFORMATION ABOVE IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR PURPOSES. IN NO EVENT SHALL **CII** BE LIABLE FOR ANY CLAIMS, LOSSES, OR DAMAGES OF ANY THIRD PARTY OR FOR LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, HOWSOEVER ARISING, EVEN IF **CII** HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

VERSION: 3.2.

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