Safety Data Sheet
Revision: 04/28/2014

Hazard information is provided for compliance with both the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations

IDENTIFICATION OF THE SUBSTANCE/PREPARATION

PRODUCT NAME: TRITON X-114
PRODUCT CODE: T1002

SUPPLIER:
Anatrace Products, LLC. 434 West Dussel Drive, Maumee, OH 43537 Phone: (419) 740-6600
Emergency Contact:
Chemtrec (800) 424-9300
Outside USA & Canada (703) 527-3887
Chemtrec ID# 696910

Please visit our website at for contact information on Anatrace product distributors within your area.

HAZARDS IDENTIFICATION

GHS
Acute toxicity, oral (Category 5)
Serious eye damage (Category 1)
Very toxic to aquatic life (Category 1)

LABEL ELEMENTS
Hazard statements
H302: Harmful if swallowed
H318: Causes serious eye damage
H400: Very toxic to aquatic life

Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273: Avoid release to the environment
P280 Wear protective gloves.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+ P311 If experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P501 Dispose of contents/containers to an approved disposal plant.

CHIP
R & S phrases
R:36/37/38 Irritating to eyes, respiratory system and skin.
S:22 Do not breathe dust.
S:24 Avoid contact with skin.
S:36/37 Wear suitable protective clothing and gloves

COMPOSITION/INFORMATION ON INGREDIENTS

HAZARD
TRITON X-114

CAS NO.
9036-19-5

EC NO.
NA

%WT
~100%

SYNONYMS
α-[4-(1,1,3,3-Tetramethylbutyl)phenyl]ω-hydroxy-poly(oxy-1,2-ethanediyl)

FIRST-AID MEASURES
IN CASE OF CONTACT:
IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

IN CASE OF CONTACT:
IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.

IN INHALED:
REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IF SWALLOWED:
WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE.

FIRE-FIGHTING INFORMATION
EXTINGUISHING MEDIA:
WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM. FOAM AND WATER SPRAY ARE EFFECTIVE BUT MAY CAUSE FROTHING.

SPECIAL FIREFIGHTING PROCEDURES:
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS:
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

ACCIDENTAL RELEASE MEASURES
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES. COVER WITH DRY LIME OR SODA ASH, PICK UP, KEEP IN A CLOSED CONTAINER AND HOLD FOR WASTE DISPOSAL. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

HANDLING AND STORAGE
REFER TO “PERSONAL PROTECTION” SECTION.
PERSONAL PROTECTION
CHEMICAL SAFETY GOGGLES. RUBBER GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR. SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
AVOID CONTACT AND INHALATION.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING. WASH THOROUGHLY AFTER HANDLING.
SEVERE EYE IRRITANT.
HARMFUL LIQUID.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.

PHYSICAL AND CHEMICAL PROPERTIES
Appearance: Viscous liquid
Boiling Point: No data available
Vapor Pressure: No data available
Vapor Density: No data available
Specific Gravity: 1.058 g/mL @ 25°C
Solubility (Water): Soluble
Evaporation Rate: No data available
Chemical Formula: t-Oct-C6H4(OCH2CH2)xnOH, x = 7-8
Melting Point: No data available

STABILITY AND REACTIVITY
INCOMPATIBILITIES:
STRONG OXIDIZING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE

TOXOLOGICAL INFORMATION
Acute Toxicity:
LD50 Oral-rat-4,190 mg/kg
Eyes-rabbit:
Risk of serious damage to eyes.-Draize Test
Inhalation:
May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion:
May be harmful if swallowed.
Skin:
May be harmful if absorbed through skin. Causes skin irritation.
Eyes:
Causes eye irritation.

ECOLOGICAL INFORMATION
Toxicity to fish:
LC50-Danio rerio (zebra fish)-0.0005 mg/l-96 h

DISPOSAL CONSIDERATIONS
DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

TRANSPORTATION INFORMATION
DOT (US) UN number: 3082
Class: 9
Proper shipping name: Environmentally hazardous substances, liquid, n.o.s.(α-[(1,1,3,3-Tetramethylbutyl)phenyl]-ω-hydroxy-poly(oxy-1,2-ethanediyl)) Reportable Quantity(RQ):
Marine pollutant: No
Poison Inhalation Hazard: No

IMDGUN number: 3082
Class: 9
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(α-[(1,1,3,3-Tetramethylbutyl)phenyl]-ω-hydroxy-poly(oxy-1,2-ethanediyl))
Marine pollutant: No

IATAUN number:3082
Class: 9
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.(α-[(1,1,3,3-Tetramethylbutyl)phenyl]-ω-hydroxy-poly(oxy-1,2-ethanediyl))

REGULATORY INFORMATION
OBSERVE ALL FEDERAL, STATE, AND LOCAL LAWS.

This data sheet is based upon information believed to be reliable. The Company makes no statement or warranty as to the accuracy or completeness of the information contained herein which is offered for your consideration, investigation and verification. Any use of the information contained in this data sheet must be determined by the user to be in accordance with appropriate applicable regulations.