

Safety Data Sheet

Revision: 04/23/2014

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 AND COMPANY

PRODUCT NAME:
PLURONIC F68

PRODUCT CODE:
P300

SUPPLIER:

Anatrace Products, LLC. 434 West Dussel Drive, Maumee, OH 43537 Phone: (419) 740-6600
Please visit our website at for contact information on Anatrace product distributors within your area.

Emergency Contact:

Chemtrec (800) 424-9300
Outside USA & Canada (703) 527- 3887
Chemtrec ID# 696910

HAZARDS IDENTIFICATION

GHS

Not a hazardous substance or mixture.

LABEL ELEMENTS

Hazard statements
NA

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P501 Dispose of contents/containers to an approved disposal plant.

CHIP

R & S phrases

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
PLURONIC F68

CAS NO.
9003-11-6

EC NO:
NA

%WT
~100%

SYNONYMS

Polyoxyethylene-polyoxypropylene
Block Copolymer

FIRST-AID MEASURES

Skin:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

Eyes:

Immediately rinse eyes with running water for 15 minutes. If irritation develops, get medical attention.

Ingestion:

If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

Notes to Physicians:

None known.

FIRE-FIGHTING INFORMATION

Typical Low/High Deg. Method
Flash PointL ~ 500F CLEVELAND OPEN CUP
Autoignition: NOT AVAILABLE

Extinguishing Media:

Use water fog, foam, CO2 or dry chemical extinguishing media.

Fire Fighting Procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Unusual Hazards:

There are no known unusual fire or explosion hazards.

ACCIDENTAL RELEASE MEASURES

General: Spills should be contained, solidified and placed in suitable containers for disposal in a licensed facility. This material is not regulated by RCRA or CERCLA (□Superfund□).
Wear appropriate respiratory protection and protective clothing and provide adequate ventilation during clean-up.

HANDLING AND STORAGE

General: Store in a cool, dry place. Keep containers closed when not in use.

PERSONAL PROTECTION

Clothing:

Gloves, coveralls, apron, boots as necessary to minimize contact.

Eyes:

Chemical Goggles

Respiration:

If dusts are generated, wear an approved dust respirator.

Ventilation:

Use local exhaust to control dusts.

Explosion Proofing:

None required.

PHYSICAL AND CHEMICAL PROPERTIES

Color: White to off-white

Form/Appearance:

Prill

Odor:

Polyol

Odor Intensity:

Mild Typical Low/High U.O.M.

Specific Gravity:

NOT AVAILABLE

Bulk Density:

8.8 LB/GAL

Viscosity:

19 POISE @ 60

pH:

6 - 7 SU

pH method:

2.5%(AQUEOUS SOLUTION) Typical Low/HighDeg. @ Pressure

Boiling Pt:

NOT AVAILABLE

Freezing Pt:

-52 C 1 ATMOSPHERES

Decomp. Tmp:

NOT AVAILABLE

Solubility in Water Description:

Soluble Typical Low/High U.O.M. @ Temperature

Solubility:

10 PERCENT 20C

Other Physical properties:

SPECIFIC GRAVITY AT 60 C = 1.07

STABILITY AND REACTIVITY

Stability Data:

Stable

Incompatibility:

No data available.

Conditions/Hazards to Avoid:

None known.

Hazardous Decomposition/Polymerization

Hazardous decomposition products: None known.

Polymerization: Will not occur.

Corrosive Properties:

Not corrosive.

Oxidizer Properties:

Not an oxidizer

TOXOLOGICAL INFORMATION

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Toxicology Test Data:

Ames Salmonella Assay (Plate with S-9) - NEGATIVE Not mutagenic in 5 strains tested

Ames Salmonella Assay (Direct Plate) - NEGATIVE Not mutagenic in 5 strains tested

Metabolic fate studies (in vitro) -

No effect on cell growth Metabolic fate studies (iv, rat) -

Excreted rapidly after iv administration

Metabolic fate studies (oral, rat) -

Excreted rapidly after oral doses

Clinical excretion studies (oral, human) -

No polymer detected in urine

Metabolic fate studies (iv, rat) -

Biliary excretion - slight

Rabbit, Eye Irritation (unrinsed) - 0.7 DRAIZE: MAX=110

Practically non-irritating (10% soln)

Mouse, intravenous LD50 - > 5 G/KG Slightly Toxic/Practically Nontoxic

Rat, Acute Intravenous LD50 - < 10 G/KG TOX TEST RATING NOT FOUND

Rabbit, Dermal LD50 - > 20 G/KG Relatively Harmless

Rat, Oral LD50 - > 15 G/KG Practically Nontoxic

Ames Salmonella Assay (Direct Plate) - NEGATIVE Not mutagenic in 5 strains tested

Ames Salmonella Assay (Plate with S-9) - NEGATIVE Not mutagenic in 5 strains tested

Rabbit, Pyrogenic Activity Assay - NEGATIVE No Response

Dog, 6 Month Oral Toxicity UP TO 0.1 G/KG No Compound Related Adverse Effects

Rat, 6-Month Feeding Study - UP TO 5 PERCENT IN DIET No Compound Related Adverse Effects

Dog, Skin irritation/sensitization test - AQ. PASTE Not a skin sensitizer or an irritant

Rabbit, skin irritation/sensitization - AQ. PASTE Not a skin sensitizer or an irritant

Guinea pig skin irritation/sensitization - AQ. PASTE Not a skin sensitizer or an irritant

Human, skin irritation/sensitization - AQ. PASTE Not a skin sensitizer or an irritant

Rabbit, Eye Irritation - 5%, 10% Nonirritating

Rabbit, oral mucosa1 irritation study - 5% Nonirritating

Dog, oral mucosa1 irritation study 10% Nonirritating

Rabbit, wound healing evaluation - 50%. No adverse effect on healing

In vitro Hemolysis Cytotoxicity Assay - 0.001 - 10% No hemolysis noted

Dog, Blood Pressure Reduction Study - 50% SOLN; 1 ML/KG Blood pressure/EKG/respiration unchanged

Rat, Oral LD50 - > 15 G/KG Practically Nontoxic

Dog, Oral LD50 - > 15 G/KG Practically Nontoxic

Mouse, Oral LD50 - > 15 G/KG Practically Nontoxic

Mouse, Acute Intraperitoneal LD50 - > 10 G/KG Practically Nontoxic

Rabbit, Acute Intravenous LD50 - > 1 G/KG No Compound Related Adverse Effects

Rat, Acute Intraperitoneal LD50 - < 5 G/KG Lethal to 70% of the treated animals
Guinea Pig, Oral LD50 - > 15 G/KG Practically Nontoxic
Mouse, intravenous LD50 - 5.5 G/KG Slightly Toxic/Practically Nontoxic
Rat, Acute Intravenous LD50 - 3.95 G/KG Moderately Toxic
Rabbit, Acute Intravenous LD50 - > 1 G/KG No Compound Related Adverse Effects
Dog, Acute Intravenous LD50 - > 1 G/KG
No Compound Related Adverse Effects
RABBIT, INTRACUTANEOUS IRRITATION TEST - 5% No extravasation of Trypan Blue noted
Rabbit, Dog: 14 day IV Administration - 5%; 1, 3, 10 ML/KG No Compound Related Adverse Effects
Dog, 50 day IV Administration - 20%; ML/KG/DAY No Compound Related Adverse Effects
Rat, 2 Year Oral Toxicity Study - 3, 5, 7.5 PERCENT IN DIET Growth depression in high dose group
Rat, 4 dose intravenous application - 800 MG/KG Affects food intake and utilization
Rat, Excretion after oral administration - 5% DIETARY Excreted in the feces
Rat, Excretion After IV Administration - 8%; 80 - 320 MG Excreted rapidly via the urine

Acute Overexposure Effects:

Contact with the eyes may result in slight, temporary irritation. Prolonged or repeated skin contact may result in irritation.

Ingestion of large amounts may cause diarrhea and weakness.

Inhalation overexposure is not anticipated at normal use temperatures.

There are no other known acute effects associated with this material.

Chronic Overexposure Effects:

There are no known chronic effects associated with this material.

ECOLOGICAL INFORMATION

No data available.

DISPOSAL CONSIDERATIONS

Waste Disposal:

Incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

Container Disposal:

Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

TRANSPORTATION INFORMATION

Observe all Federal, State, and Local laws.

REGULATORY INFORMATION

TSCA Inventory Status Listed on Inventory: YES

RCRA Haz. Waste No

State Regulatory Information: (By Component) NJ/PA/MA RTK

CAS: 9003-11-6 ND

NAME: OXIRANE, METHYL-, POLYMER Hazard Ratings:

Health: Fire: Reactivity: Special:

HMIS I 1 0 NA

Health: Fire: Reactivity: Special:

NFPA I 1 0 NA

This product may contain trace amounts of ethylene oxide, propylene oxide, 1,4-dioxane, chemicals known to the state of California to cause cancer and/or birth defects or reproductive harm.

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