Page: 1 of 4 Process Time: 10:21 am

Date Revised: 3/5/13 Date Printed: 4/8/15

MANUFACTURER: SIERRA CORP/TK PRODUCTS EMERGENCY PHONE: 1-800-424-9300 ADDRESS : 11400 WEST 47TH STREET INFORMATION PHONE: (952)938-7223 MINNETONKA, MN 55343 NAME OF PREPARER : Safety Director

PRODUCT NAME: EPO 2000, PART A PRODUCT CODE: TK-EPO 2000 A

HAZARD RISK CLASSIFICATION

SIGNAL WORD: DANGER

PICTOGRAM:

GHS07 - EXCLAMATION MARK GHS09 - ENVIRONMENT

HAZARD CLASS HAZARD CATEGORY

CATEGORY 4 INHALATION ACUTE TOXICITY

CATEGORY 2 SKIN CORROSION /

IRRITATION

SERIOUS EYE DAMAGE / CATEGORY 2 AND 2A

EYE IRRITATION

SKIN SENSITIZER CATEGORY 1 TOXIC TO SPECIFIC TARGET ORGAN CATEGORY 3

TOXICITY - SINGLE EXPOSURE

HAZARDOUS TO THE AQUATIC CHRONIC 2

ENVIRONMENT LONG-TERM (CHRONIC)

HAZARD STATEMENTS:

H303 May be harmful if swallowed Causes skin irritation H315 H317 May cause allergic skin reaction н319 Causes serious eye irritation. H332 Harmful if inhaled н335 May cause respiratory irritation

H411 Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS:

PREVENTION:

P261 Avoid breathing dust/fume/gas/mist/vapor/ spray.

P264 Wash hands and any exposed area thoroughly after handling.

P271 Use only outdoors or in well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the

workplace.

P280 Wear protective impervious gloves/ OSHA approved eye

protection/face protection.

RESPONSE:

P301+P312 If swallowed: Call a Poison Center / doctor if you feel unwell.

If on skin: Wash with plenty of water. P302+P352

If inhaled: Remove person to fresh air and keep comfortable for P304+P340

breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Call a POISON CENTER/doctor if you feel unwell. P312

P321 Specific treatment (see on this label)

P330 Rinse mouth.

Page: Process Time:

2 of 4 10:21 am

SAFETY DATA SHEET

3/5/13 Date Printed: 4/8/15 Date Revised:

If skin irritation occurs: Get medical advice/attention. P332+P313 P337+P313 If eye irritation persists: Get medical advice/attention.

Wash contaminated clothing before reuse. P363

STORAGE:

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

DISPOSAL:

P501 Store separately. Dispose of contents/ container in accordance

with local/ regional/national /international regulations.

======== SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS =========

BECITON 5	COMPOSITION/I	WEIGHT	EXPOSURE LIMITS
COMPONENT	CAS NUMBER	PERCENT	OSHA PEL ACGIH TLV OTHER
Epichlorhydrin copolymer	25085-99-8	75-90	
			NOT ESTABLISHED
Titanium Dioxide	13463-67-7	10-25	
			10 mg/m3 10 mg/m3

PRIMARY ROUTES OF EXPOSURE:

Skin contact.

EFFECTS OF ACUTE EXPOSURE:

EYES: Direct contact with eyes may cause irritation.

SKIN: Prolonged or repeated contact may cause irritation.INHALATION: Inhalation of vapor or mist can cause

irritation of nose, throat and lungs and lead to headaches and nausea.

INGESTION: Not an anticipated route of exposure. Small amounts are not expected to be harmful.

CHRONIC HEALTH EFFECTS:

No anticipated chronic effects.MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

No known effects on other illnesses.

EYES: Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.

SKIN CONTACT: Wash contaminated area with soap and water. Remove and launder contaminated clothing.

INGESTION: If a large amount is ingested, give water or milk and induce vomitting. Seek medical attention.

INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.

==== SECTION 5 - FIRE AND EXPLOSION HAZARD DATA ==

METHOD USED: PMCC FLASH POINT: No flash FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a

UPPER: n/a

EXTINGUISHING MEDIA:

This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

SPECIAL FIREFIGHTING PROCEDURES:

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area, keep unauthorized personnel out.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

Page: 3 of 4
Process Time: 10:21 am

Date Revised: 3/5/13

Date Printed: 4/8/15

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Do not let uncured spilled or leaking material enter watercourse. May be toxic to aquatic life. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water. Wear appropriate protective equipment.

HANDLING INFORMATION:

Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communicatin Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

STORAGE INFORMATION:

Keep from freezing; material may coagulate. The minimum recommended storage temperature is 34F/1C, the maximum recommended storage temperature is 120F/49C. Keep away from incompatable materials (see section 10). Keep containers tightly closed. It is advised that material be used within 1 year of manufacture, rotate stock.

OTHER PRECAUTIONS:

All empty containers should be disposed of in an evironmentally safe manner in accordance with all governmental regulations.

No special requirements under normal use conditions. In confined areas, or ares with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

VENTILATION:

General room ventilation is adequate.

PROTECTIVE GLOVES:

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

EYE PROTECTION:

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

WORK/HYGIENIC PRACTICES:

Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company quidlines.

======== SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ==========

PHYSICAL STATE: Liquid COLOR: Various colors

ODOR: Amine or ammonia odor SOLUBILITY IN WATER: Dilutable

SPECIFIC GRAVITY (H2O=1): 1.3 VAPOR DENSITY: Heavier than air.

BOILING RANGE: EVAPORATION RATE: Slower than nBuAc

COATING V.O.C.: 0 g/l (0.0 lb/gl)

STABILITY:

Stable under normal conditions and handling.

CONDITIONS TO AVOID:

None known

INCOMPATIBILITY (MATERIALS TO AVOID):

None known. Materials which are not compatable with water or ordinary organics will not be compatable with this material.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia.

HAZARDOUS POLYMERIZATION:

Will not occur.

SAFETY DATA SHEET

Page: 4 of 4 Process Time: 10:21 am

Date Revised: 3/5/13

Date Printed: 4/8/15

None known.

CARCINOGENICITY:

There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

REPRODUCTIVE TOXICITY

There is no data available to indicate any components present at greater than 0.1% may present reproductive toxicity.

TERATOGENICITY (BIRTH DEFECTS):

There is no data available to indicate any components present at greater than 0.1% may cause birth defects.

MUTAGENICITY

There is no data to indicate that any component present at greater than 0.1% will alter DNA.

Contains ammonia or amines which may be toxic to aquatic life.

This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261, however, state and local regulations may be more restrictive. Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

Not regulated.

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Subatances Control Act (TSCA) chemical substance inventory.

This product does not contain a chemical subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372) above de minimis concentrations.

STATE SPECIFIC REQUIREMENTS:

This product does not contain a chemical known to the state of California to cause cancer, birth defects or reproductive harm, subject to the requirements of California Proposition 65.

STATE LISTED COMPONENTS CAS NUMBER STATE CODE

REVISION DATE: 03/05/13

HMIS CODES: H F R P 2 1 0 B

Page: 1 of 4 10:21 am Process Time:

Date Revised: 3/5/13 Date Printed: 4/8/15

MANUFACTURER: SIERRA CORP/TK PRODUCTS EMERGENCY PHONE: 1-800-424-9300 ADDRESS : 11400 WEST 47TH STREET INFORMATION PHONE: (952)938-7223 MINNETONKA, MN 55343 NAME OF PREPARER : Safety Director

PRODUCT NAME: EPO 2000, PART B PRODUCT CODE: TK-EPO 2000 B

HAZARD RISK CLASSIFICATION

SIGNAL WORD: DANGER

PICTOGRAM:

GHS05 - CORROSION GHS06 - SKULL AND CROSSBONES

HAZARD CLASS HAZARD CATEGORY

ACUTE TOXICITY CATEGORY 3 DERMAL

CATEGORY 1 SKIN CORROSION /

IRRITATION

SKIN SENSITIZER CATEGORY 1 HAZARDOUS TO THE AQUATIC CHRONIC 3

ENVIRONMENT LONG-TERM (CHRONIC)

HAZARD STATEMENTS:

H303 May be harmful if swallowed H311 Toxic in contact with skin

Causes severe skin burns and eye damage H314

H317 May cause allergic skin reaction

H412 Harmful to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS:

PREVENTION:

P260 Do not breath dusts/fume/gas/mist/vapors or spray.

P264 Wash hands and any exposed area thoroughly after handling. Contaminated work clothing should not be allowed out of the P272

workplace.

P280 Wear protective impervious gloves/ OSHA approved eye

protection/face protection.

RESPONSE:

P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated

clothing. Rinse skin with water (or shower).

P304+P340 If inhaled: Remove person to fresh air and keep comfortable for

breathing.

P305+P351+P338 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/ emergency responder. P310

P312 Call a POISON CENTER/doctor if you feel unwell.

P321 Specific treatment (see on this label) P322 Specific measures (see on this label)

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P361+P363 Take off immediately all contaminated clothing and wash before

reuse.

P363 Wash contaminated clothing before reuse.

Page: 10:21 am Process Time:

2 of 4

Date Revised: 3/5/13 Date Printed: 4/8/15

STORAGE:

P405 Store locked up.

DISPOSAL:

P501 Store separately. Dispose of contents/ container in accordance

with local/ regional/national /international regulations.

CECHTON 3 COMPOSITION/INFORMATION ON INCREDIENTS -

SECTION	3 -	COMPOSITION/	INFORMATION (ON INGREDIENTS ========
			WEIGHT	EXPOSURE LIMITS
		CAS NUMBER	PERCENT	OSHA PEL ACGIH TLV OTHER
,N'-bis-(2-	Aminoe	thyl)-112-24-3	25-50	
				NOT ESTABLISHED
e Adduct		68953-36-6	25-50	
				NOT ESTABLISHED
		,N'-bis-(2-Aminoe	CAS NUMBER ,N'-bis-(2-Aminoethyl)-112-24-3	CAS NUMBER PERCENT ,N'-bis-(2-Aminoethyl)-112-24-3 25-50

^{*} Chemical(s) that are chronic health hazards. Refer to section 3 for further information.

PRIMARY ROUTES OF EXPOSURE:

Skin contact.

EFFECTS OF ACUTE EXPOSURE:

EYES: Corrosive to eyes. Contact with eyes may cause severe irritation and burns.

SKIN: Corrosive to skin and mucous membranes. Contact with skin may cause severe irritation and burns. May be absorbed through skin in toxic amounts.

INHALATION: Inhalation of vapor or mist can cause irritation of nose, throat and lungs and lead to headaches and nausea.

INGESTION: Not an anticipated route of exposure. Small amounts are not expected to be harmful. Can cause gastrointestinal irritation, nausea, vomitting and diarrhea. Small amounts aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury.

CHRONIC HEALTH EFFECTS:

Although some components may indicate chronic exposure effects, no effects are anticipated under normal use conditions due to the relatively low proportion in the total mixture.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

No known effects on other illnesses.

EYES: Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.

SKIN CONTACT: Wash contaminated area with soap and water. Remove and launder contaminated clothing.

INGESTION: If a large amount is ingested, give water or milk and induce vomitting. Seek medical attention.

INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.

FLASH POINT: Greater than 200 F

METHOD USED: PMCC

FLAMMABLE LIMITS IN ATR BY VOLUME- LOWER: 1.4

UPPER: n/a

EXTINGUISHING MEDIA:

This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

SPECIAL FIREFIGHTING PROCEDURES:

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area, keep unauthorized personnel out.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

Page: 3 of 4
Process Time: 10:21 am

Date Revised: 3/5/13

Date Printed: 4/8/15

Do not let uncured spilled or leaking material enter watercourse. May be toxic to aquatic life. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water. Wear appropriate protective equipment.

Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communicatin Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

STORAGE INFORMATION:

Keep containers tightly closed. Use and store material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post "No smoking or open flame" sign. Store only in approved containers. Keep away from incompatible materials (see section 10). Protect containers against physical damage. Indoor storage should meet OSHA standards and appropriate fire codes.

OTHER PRECAUTIONS:

All empty containers should be disposed of in an evironmentally safe manner in accordance with all governmental regulations.

No special requirements under normal use conditions. In confined areas, or ares with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

VENTILATION:

General room ventilation is adequate.

PROTECTIVE GLOVES:

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

EYE PROTECTION:

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

WORK/HYGIENIC PRACTICES:

Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company guidlines.

======== SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES =========

PHYSICAL STATE: Liquid

COLOR: Amber/Transluscent

ODOR: Amine or ammonia odor

SOLUBILITY IN WATER: Dilutable

SPECIFIC GRAVITY (H2O=1): .98

VAPOR DENSITY: Heavier than air.

BOILING RANGE:

EVAPORATION RATE: Slower than nBuAc

COATING V.O.C.: 44 g/l (0.37 lb/gl)

Stable under normal conditions and handling.

CONDITIONS TO AVOID:

None known

INCOMPATIBILITY (MATERIALS TO AVOID):

Avoid exposure to strong oxidizing agents and reducing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia.

HAZARDOUS POLYMERIZATION:

Will not occur.

SAFETY DATA SHEET

Page: 4 of 4 Process Time: 10:21 am

Date Revised: 3/5/13

Date Printed: 4/8/15

None known.

CARCINOGENICITY:

There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

REPRODUCTIVE TOXICITY

There is no data available to indicate any components present at greater than 0.1% may present reproductive toxicity.

TERATOGENICITY (BIRTH DEFECTS):

Triethylenetetramine is fetotoxic and teratogenetic when fed to laboratory animals.

MUTAGENICITY:

Triethylenetetramine has been found to be a direct acting mutagen in the ames assay.

Contains ammonia or amines which may be toxic to aquatic life.

This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261, however, state and local regulations may be more restrictive. Coagulate the emulsion by the stepwise addition of ferric

chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

UN1760, Corrosive Liquids, N.O.S., (Triethylenetetramine), 8, III

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Subatances Control Act (TSCA) chemical substance inventory.

This product does not contain a chemical subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372) above de minimis concentrations.

STATE SPECIFIC REQUIREMENTS:

This product contains a chemical(s) known to the state of California to cause cancer, birth defects or reproductive harm, which are subject to the requirements of California Proposition 65.

STATE LISTED COMPONENTS CAS NUMBER STATE CODE . Triethylenetetramine 112-24-3 CA, FL, MA, PA, NJ

REVISION DATE: 03/05/13

HMIS CODES: H F R P 2 1 0 B