SAFETY DATA SHEET

MANUFACTURER: SIERRA CORP/TK PRODUCTS
ADDRESS: 11400 WEST 47TH STREET
MINNETONKA, MN  55343

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

ACUTE TOXICITY                          CATEGORY 4 INHALATION
SKIN CORROSION /                         CATEGORY 2
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
H315 Causes skin irritation
H317 May cause allergic skin reaction
H319 Causes serious eye irritation.
H332 Harmful if inhaled
H335 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.
P302+P352 If on skin: Wash with plenty of water.
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.
P312 Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see on this label)
P330 Rinse mouth.
P332+P337+P363
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Wash contaminated clothing before reuse.

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

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS NUMBER</th>
<th>PERCENT</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epichlorhydrin copolymer</td>
<td>25085-99-8</td>
<td>75-90</td>
<td></td>
<td></td>
<td>NOT ESTABLISHED</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>10-25</td>
<td>10 mg/m3</td>
<td>10 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

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.

SECTION 4 - FIRST AID MEASURES
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 vomiting. 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
FLASH POINT: No flash
FLAMMABLE LIMITS IN AIR BY VOLUME-
LOWER: n/a          METHOD USED: PMCC
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.
**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.

---------- SECTION 7 - HANDLING AND STORAGE ----------

**HANDLING INFORMATION:**

Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communication 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 34°F/1°C, the maximum recommended storage temperature is 120°F/49°C. Keep away from incompatible 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 environmentally safe manner in accordance with all governmental regulations.

---------- SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION ----------

**RESPIRATORY PROTECTION:**

No special requirements under normal use conditions. In confined areas, or areas 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 guidelines.

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

**PHYSICAL STATE:** Liquid

**COLOR:** Various colors

**ODOR:** Amine or ammonia odor

**SPECIFIC GRAVITY (H2O=1):** 1.3

**BOILING RANGE:**

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

---------- SECTION 10 - STABILITY AND REACTIVITY DATA ----------

**STABILITY:**

Stable under normal conditions and handling.

**CONDITIONS TO AVOID:**

None known

**INCOMPATIBILITY (MATERIALS TO AVOID):**

None known. Materials which are not compatible with water or ordinary organics will not be compatible 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.

---------- SECTION 11 - TOXICOLOGICAL INFORMATION ----------

**SENSITIZATION:**
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.

SECTION 12 - ECOLOGICAL INFORMATION

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

SECTION 13 - DISPOSAL CONSIDERATIONS

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.

SECTION 14 - TRANSPORT INFORMATION

SHIPPING NAME:
Not regulated.

SECTION 15 - REGULATORY INFORMATION

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances 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.

SECTION 16 - OTHER INFORMATION

REVISION DATE: 03/05/13

HMIS CODES: H  F  R  P
2  1  0  B
SAFETY DATA SHEET

MANUFACTURER: SIERRA CORP/TK PRODUCTS
ADDRESS: 11400 WEST 47TH STREET
MINNETONKA, MN 55343

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

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Hazard Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACUTE TOXICITY</td>
<td>CATEGORY 3  DERMAL</td>
</tr>
<tr>
<td>SKIN CORROSION /</td>
<td>CATEGORY 1</td>
</tr>
<tr>
<td>IRRITATION</td>
<td></td>
</tr>
<tr>
<td>SKIN SENSITIZER</td>
<td>CATEGORY 1</td>
</tr>
<tr>
<td>HAZARDOUS TO THE AQUATIC</td>
<td>CHRONIC 3</td>
</tr>
<tr>
<td>ENVIRONMENT LONG-TERM (CHRONIC)</td>
<td></td>
</tr>
</tbody>
</table>

Hazard Statements:
H303  May be harmful if swallowed
H311  Toxic in contact with skin
H314  Causes severe skin burns and eye damage
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.
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+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.
P310  Immediately call a POISON CENTER/doctor/ emergency responder.
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.
SAFETY DATA SHEET

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.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS NUMBER</th>
<th>WEIGHT PERCENT</th>
<th>OCASH PEL</th>
<th>ACIGH TLV</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Ethanediamine, N,N'-bis-(2-Aminoethyl)-</td>
<td>112-24-3</td>
<td>25-50</td>
<td>NOT ESTABLISHED</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyethylenepolyamine Adduct</td>
<td>68953-36-6</td>
<td>25-50</td>
<td>NOT ESTABLISHED</td>
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<td></td>
</tr>
</tbody>
</table>

* 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, vomiting 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.

SECTION 4 - FIRST AID MEASURES

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.
INHALATION: If a large amount is ingested, give water or milk and induce vomiting. 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

FLASH POINT: Greater than 200 F
METHOD USED: PMCC
FLAMMABLE LIMITS IN AIR BY VOLUME: LOWER: 1.4 UPER: 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.
SECTION 6 - ACCIDENTAL RELEASE MEASURES

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.

SECTION 7 - HANDLING AND STORAGE

HANDLING INFORMATION:
Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communication 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 environmentally safe manner in accordance with all governmental regulations.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:
No special requirements under normal use conditions. In confined areas, or areas 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 guidelines.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
COLOR: Amber/Translucent
ODOR: Amine or ammonia odor
SPECIFIC GRAVITY (H2O=1): .98
BOILING RANGE:
COATING V.O.C.: 44 g/l (0.37 lb/gl)

SECTION 10 - STABILITY AND REACTIVITY DATA

STABILITY:
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.

SECTION 11 - TOXICOLOGICAL INFORMATION

SENSITIZATION:
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):
Triethylentetramine is fetotoxic and teratogenetic when fed to laboratory animals.

MUTAGENICITY:
Triethylentetramine has been found to be a direct acting mutagen in the ames assay.

======================== SECTION 12 - ECOLOGICAL INFORMATION ===================

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

======================== SECTION 13 - DISPOSAL CONSIDERATIONS ==================

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.

======================== SECTION 14 - TRANSPORT INFORMATION ======================

SHIPPING NAME:
UN1760, Corrosive Liquids, N.O.S., (Triethylentetramine), 8, III

======================== SECTION 15 - REGULATORY INFORMATION ===================

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances 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   
Triethylentetramine  112-24-3  CA, FL, MA, PA, NJ

======================== SECTION 16 - OTHER INFORMATION =========================

REVISION DATE: 03/05/13
HMIS CODES: H  F  R  P
             2  1  0  B