

Safety Data Sheet

Glycol Ether EP

Version 1.0

Date: 06/01/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Glycol Ether EP (Solv EP)
Product Use Description : Solvent.

Manufacturer or supplier's details

Company : Solvents and Petroleum Services, Inc.
Address : 1405 Brewerton Rd, Syracuse NY 13208
800-315-4467
mark@solventsandpetroleum.com

Emergency telephone number:
Transport North America: CHEMTREC 800.424.9300

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 3
Acute toxicity (Dermal) : Category 4
Eye irritation : Category 2A

GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : H226 Flammable liquid and vapor.
H312 Harmful in contact with skin.
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/
lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static
discharge.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face
protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Remove/
Take off immediately all contaminated clothing. Rinse
skin with water/ shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with
water for several minutes. Remove contact lenses, if
present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical
advice/ attention.
P363 Wash contaminated clothing before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical
or alcohol-resistant foam for extinction.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/ container to an approved
waste disposal plant.

Potential Health Effects

Aggravated Medical Con-
dition : None known.

Symptoms of Overexpo-
sure : Redness
Pain
Irritation

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.

ACGIH

No component of this product present at levels greater
than or equal to 0.1% is identified as a carcinogen or
potential carcinogen by ACGIH.

OSHA

No component of this product present at levels greater
than or equal to 0.1% is identified as a carcinogen or
potential carcinogen by OSHA.

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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.

Emergency Overview

Appearance	liquid
Color	colorless
Odor	mild, sweet
Hazard Summary	No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

CAS-No.	Chemical Name	Concentration (%)
2807-30-9	Ethanol, 2-propoxy-	99 - 100
107-21-1	Ethylene glycol	0.1 - 1

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : Take victim immediately to hospital.
If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Keep respiratory tract clear.
Do not give milk or alcoholic beverages.

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Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : Redness
Pain
Irritation

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : High volume water jet

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Carbon oxides

Specific extinguishing methods : Use a water spray to cool fully closed containers.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for fire-fighting if necessary.

NFPA Flammable and Combustible Liquids Classification:

Combustible Liquid Class II

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapors accumulating to form explosive

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- concentrations. Vapors can accumulate in low areas.
- Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid formation of aerosol. Do not breathe vapors/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis

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107-21-1	Ethylene glycol	TLV-C	50 ppm 125 mg/m ³	OSHA P0
		C	100 mg/m ³	ACGIH
		C (Aerosol only)	100 mg/m ³	ACGIH

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Color : colorless
- Odor : mild, sweet
- Odor Threshold : No data available
- pH : No data available
- Freezing Point (Freezing Point) : -90 °C (-130 °F)
- Freezing Point (Melting point/range) : < -20 °C (< -4 °F)
- Boiling Point (Boiling) : 147 - 149.5 °C (297 - 301.1 °F)

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point/boiling range)	(1,013 hPa)
Flash point	: 49 - 51 °C (120 - 124 °F)
Evaporation rate	: 0.22
Flammability (solid, gas)	: No data available
Burning rate	: No data available
Upper explosion limit	: 15.8 %(V)
Lower explosion limit	: 1.3 %(V)
Vapor pressure	: 170 - 643 Pa @ 25 °C (77 °F)
Relative vapor density	: 3.6
Relative density	: 0.911 - 0.913 @ 20 °C (68 °F) Reference substance: (water = 1)
Density	: No data available
Bulk density	: No data available
Solubility(ies)	
Water solubility	: soluble
Solubility in other sol- vents	: No data available
Partition coefficient: n- octanol/water	: log Pow: 0.05 - 0.673
Auto-ignition temperature	: 235 - 256 °C
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: 2.7 mPa.s @ 20 °C (68 °F)
Viscosity, kinematic	: 2.65 - 2.97 mm ² /s @ 20 °C (68 °F)

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of

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	normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Vapors may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Avoid contact with: Strong acids and strong bases Strong oxidizing agents
Hazardous decomposition products	: Aldehydes Ketones Organic acids

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	: Acute toxicity estimate : 3,079 mg/kg Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate : 1,337 mg/kg Method: Calculation method

Components:

2807-30-9:

Acute oral toxicity	: LD50 (rat, male): 3,089 mg/kg
Acute inhalation toxicity	: LC50 (mouse): 1530 ppm
Acute dermal toxicity	: LD50 (rabbit): 1,337 mg/kg Assessment: The component/mixture is moderately toxic after single contact with skin.

107-21-1:

Acute oral toxicity	: LD50 (rat): 2,000 mg/kg Assessment: The component/mixture is moderately toxic after single ingestion.
Acute inhalation toxicity	: LC50 (rat, male and female): > 2.5 mg/l Exposure time: 6 h Test atmosphere: dust/mist

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GLP: yes

Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (mouse, male and female): > 3,500 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Components:

2807-30-9:

Species: rabbit

Exposure time: 24 h

Result: Mild skin irritation

107-21-1:

Species: rabbit

Exposure time: 20 h

Method: In vivo

Result: Not irritating to skin

Serious eye damage/eye irritation

Product:

Remarks: Severe eye irritation

Components:

2807-30-9:

Species: rabbit

Result: Irritating to eyes.

107-21-1:

Species: rabbit

Result: Not irritating to eyes

Exposure time: 24 h

Method: In vivo

Respiratory or skin sensitisation

Components:

2807-30-9:

Test Type: Buehler Test

Species: guinea pig

Method: OECD Test Guideline 406

Result: Did not cause sensitisation on laboratory animals.

107-21-1:

Test Type: Maximisation Test (GPMT)

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Species: guinea pig
Result: Does not cause skin sensitisation.

Germ cell mutagenicity

Components:

2807-30-9:

Genotoxicity in vitro : Test Type: Mammalian cell gene mutation assay
Test species: Mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: yes

: Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

: Test Type: Chromosome aberration test in vitro
Test species: Human lymphocytes
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative
GLP: yes

Germ cell mutagenicity-Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

107-21-1:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

: Test Type: Chromosome aberration test in vitro
Test species: Chinese hamster ovary (CHO)
Metabolic activation: with and without metabolic activation
Result: negative
GLP: yes

: Test Type: Mammalian cell gene mutation assay
Test species: Mouse lymphoma cells

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Metabolic activation: with and without metabolic activation
Result: negative

Genotoxicity in vivo : Test Type: Dominant lethal assay
Test species: rat (male and female)
Application Route: Oral
Exposure time: daily
Dose: 0, 40, 200, 1000 mg/kg
Result: negative

Germ cell mutagenicity-Assessment : Did not show mutagenic effects in animal experiments.

Carcinogenicity

Components:

2807-30-9:

Remarks: This information is not available.

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

107-21-1:

Species: mouse, (male and female)
Application Route: Oral
Exposure time: 24 mths Dose:
0, 40, 200, 1000 mg/kg
Frequency of Treatment: daily
LOAEL: 1,000 mg/kg

Result: Ambiguous

Species: rat, (male and female)
Application Route: Oral
Exposure time: 24 mths
Dose: 0, 40, 200, 1000 mg/kg
Frequency of Treatment: daily
NOAEL: 1,000 mg/kg

Result: did not display carcinogenic properties

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

Reproductive toxicity

Components:

2807-30-9:

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- Effects on fertility : Dose: 0, 720, 1340, 2050 in water mg/kg
 Frequency of Treatment: 7 days/week
 General Toxicity - Parent: NOAEL: 720 mg/kg bw
 General Toxicity F1: NOAEL: 720 mg/kg bw
 Fertility: NOAEL: 720 mg/kg
 Symptoms: Maternal effects.
 GLP: yes
 Remarks: Information given is based on data obtained from similar substances.
- Effects on fetal development : Dose: 0, 125, 250, and 500 ppm
 Duration of Single Treatment: 9 d
 Frequency of Treatment: 6 hr/day
 Teratogenicity: NOAEL: 500 ppm
 Method: OECD Test Guideline 414
 GLP: yes
- Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, and on development, based on animal experiments.
- 107-21-1:**
 Effects on fertility : Test Type: Fertility
 Species: mouse, male and female
 Application Route: Oral
 Dose: 0, 500, 1000, 2000 mg/kg/day
 General Toxicity - Parent: NOAEL: 1,000 mg/kg body weight
 General Toxicity F1: NOAEL: 1,000 mg/kg body weight
 Symptoms: Reduced fertility of F1 generation.
 Result: Embryotoxic effects and adverse effects on the offspring were detected.
 GLP: yes
- Test Type: Three-generation study
 Species: rat, male and female
 Application Route: Oral
 Dose: 0, 40, 200, 1000 mg/kg
 General Toxicity - Parent: NOAEL: > 1,000 mg/kg body weight
 General Toxicity F1: NOAEL: > 1,000 mg/kg body weight
 Result: No reproductive effects.
- Effects on fetal development : Species: rabbit
 Application Route: Oral
 Dose: 0, 100, 500, 1000, 2000 mg/kg
 Duration of Single Treatment: 10 d
 General Toxicity Maternal: NOAEL: 1,000 mg/kg body

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weight
Teratogenicity: NOAEL: 2,000 mg/kg body weight
Developmental Toxicity: NOAEL: 2,000 mg/kg body weight
Result: No teratogenic effects.
GLP: yes

Species: rat
Application Route: inhalation (dust/mist/fume)
Dose: 0, 60, 400, 1000 ppm
Duration of Single Treatment: 10 d
Frequency of Treatment: 6 hr/day
General Toxicity Maternal: NOAEC: 400 ppm
Teratogenicity: NOAEC: 1,000 ppm
Developmental Toxicity: NOAEC: 60 ppm
Symptoms: Specific developmental abnormalities.
Result: No teratogenic effects.

Species: mouse
Application Route: inhalation (dust/mist/fume)
Dose: 0, 60, 400, 1000 ppm
Duration of Single Treatment: 10 d
Frequency of Treatment: 6 hr/day
General Toxicity Maternal: NOAEC: 60 ppm
Teratogenicity: NOAEC: 60 ppm
Developmental Toxicity: NOAEC: 60 ppm
Symptoms: Maternal toxicity, Malformations were observed.
Result: Teratogenic effects.

Reproductive toxicity - Assessment : Experiments have shown reproductive toxicity effects on laboratory animals.
Teratogenic effects indicated in some animal experiments

STOT - single exposure

Product:

No data available

Components:

No data available

Components:

No data available

STOT - repeated exposure

Product:

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No data available

Components:

No data available

Components:

107-21-1:

Exposure routes: Oral

Target Organs: Kidney

Assessment: May cause damage to organs through prolonged or repeated exposure., The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Repeated dose toxicity

Components:

2807-30-9:

Species: rat, male

NOAEL: < 195 mg/kg

LOAEL: 195 mg/kg

Application Route: Oral

Exposure time: 6 wk

Number of exposures: 5 d/wk

Dose: 195, 390, 780 and 1568 mg/kg b

Species: rat, male and female

NOAEL: 100

Application Route: inhalation (vapour)

Exposure time: 14 wk

Number of exposures: 6 h/d, 5 d/wk

Dose: 0, 100, 200, 400 ppm

Method: OECD Test Guideline 413

GLP: yes

107-21-1:

Species: rat, male

NOAEL: 150 mg/kg

Application Route: Oral

Exposure time: 12 mths

Number of exposures: daily

Dose: 0, 50, 150, 300, 400 mg/kg bw

Method: OECD Test Guideline 452

Target Organs: Kidney

Symptoms: Kidney disorders

Species: dog, male

NOAEL: 2

Application Route: Dermal

Exposure time: 4 wks

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Number of exposures: daily
Dose: 0, 2, 4 ml/kg
Method: OECD Test Guideline 410
GLP: yes
Target Organs: Kidney
Symptoms: Kidney disorders

Repeated dose toxicity - : Harmful if swallowed.
Assessment

Aspiration toxicity

Components:

107-21-1:

No aspiration toxicity classification

Further information

Product:

Remarks: Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

2807-30-9:

- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 5,000 mg/l
Exposure time: 96 h
Test Type: static test
- Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): > 5,000 mg/l
Exposure time: 48 h
- Toxicity to algae : EC50 (Pseudokirchneriella subcapitata): > 100 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes
- Toxicity to bacteria : IC50 (Bacteria): > 1,000 mg/l
Exposure time: 16 h
Test Type: Static

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GLP:

107-21-1:

Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): 72,860 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	: LC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: yes
Toxicity to algae	: (Pseudokirchneriella subcapitata (Selenastrum capricornutum)): 6,500 - 13,000 mg/l End point: Growth rate Exposure time: 96 h Test Type: static test
Toxicity to bacteria	: Toxicity threshold (Pseudomonas putida): > 10,000 mg/l Exposure time: 16 h Test Type: Static Method: DIN 38412

Persistence and degradability

Components:

2807-30-9:

Biodegradability	: aerobic Result: Readily biodegradable. Biodegradation: 100 % Exposure time: 20 d
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Chemical Oxygen Demand (COD)	: 0.00204 mg/g
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Theoretical Oxygen Demand (ThOD)	: 0.00198 mg/g
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107-21-1:

Biodegradability	: aerobic Inoculum: Activated sludge, domestic, adaption not specified Biodegradation: 90 - 100 % Exposure time: 10 d GLP: yes Remarks: Readily biodegradable
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Bioaccumulative potential

Components:

107-21-1:

Bioaccumulation : Species: Fish
Bioconcentration factor (BCF): 0.60
Exposure time: 61 d

Partition coefficient: n-octanol/water : log Pow: -1.36

Mobility in soil

No data available

Other adverse effects

No data available

Product:

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).

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Solvents & Petroleum Service at 315-454-4467

Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.

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Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

IATA (International Air Transport Association): UN1993, FLAMMABLE LIQUID, N.O.S., (ETHANOL, 2-PROPOXY-), 3, III

IMDG (International Maritime Dangerous Goods): UN1993, FLAMMABLE LIQUID, N.O.S., (ETHANOL, 2-PROPOXY-), 3, III, Flash Point:49 - 51 °C(120 - 124 °F)

DOT (Department of Transportation): UN1993, Flammable liquids, n.o.s., (ETHANOL, 2-PROPOXY-), 3, III

Special Notes: : The flash point for this material is greater than 100 F (38 C). Therefore, in accordance with 49 CFR 173.150(f) non-bulk containers (<450L or <119 gal-lon capacity) of this material may be shipped as non-regulated when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Combustible Liquid, Harmful by skin absorption., Mild skin irritant, Moderate eye irritant

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Ethylene glycol	107-21-1	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard
Chronic Health Hazard

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SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : 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

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

107-21-1	Ethylene glycol	0.1999 %
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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):

2807-30-9	Ethanol, 2-propoxy-	100 %
107-21-1	Ethylene glycol	0.1999 %

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

2807-30-9	Ethanol, 2-propoxy-	90 - 100 %
107-21-1	Ethylene glycol	0.1 - 1 %

New Jersey Right To Know

2807-30-9	Ethanol, 2-propoxy-	90 - 100 %
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California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

1907/2006 (EU)	:	n (Negative listing) (Not in compliance with the inventory)
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Switzerland. New notified substances and declared preparations	:	y (positive listing) (The formulation contains substances listed on the Swiss Inventory)
United States TSCA Inventory	:	y (positive listing) (On TSCA Inventory)
Canadian Domestic Substances List (DSL)	:	y (positive listing) (All components of this product are on the Canadian DSL.)
Australia Inventory of Chemical Substances (AICS)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
New Zealand. Inventory of Chemical Substances	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Japan. ENCS - Existing and New Chemical Substances Inventory	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Japan. ISHL - Inventory of Chemical Substances (METI)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Korea. Korean Existing Chemicals Inventory (KECI)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
China. Inventory of Existing Chemical Substances in China (IECSC)	:	y (positive listing) (On the inventory, or in compliance with the inventory)

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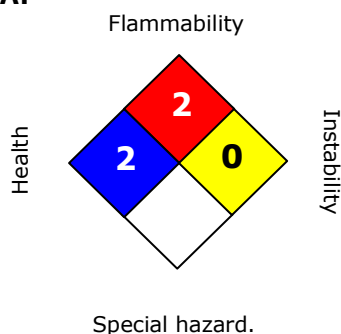
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SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	2*
FLAMMABILITY	2
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health

Safety Data Sheet

Glycol Ether EP

Version 1.0

Date: 06/01/2015

CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50			Lethal Concentration 50%