

Reviewed on 03/14/2017

1 Identification

- **Product identifier**
- **Product name:** *Everchem Potassium Octoate 15%*
- **Application of the substance / the mixture** *Catalyst*
- **Details of the supplier of the safety data sheet**
- **Supplier:**

Company Information: Everchem Specialty Chemicals
 Address: 1400 N. Providence Road Media, PA 19063 USA
 Tel. NO.:(484) 234-5030 FAX NO.:(484) 234-5037
 Website: www.everchem.com
 EMERGENCY PHONE NUMBER: CHEMTREC (24 HOURS): 800-424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Repr. 2 H361 Suspected of damaging fertility or the unborn child.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Harmful

Harmful if swallowed.



Irritant

Irritating to skin.

- **Information concerning particular hazards for human and environment:**

The product has to be labeled due to the calculation procedure of international guidelines.

- **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

- **Label elements**

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07 GHS08

- **Signal word** Warning

- **Hazard-determining components of labeling:**

2-ethylhexanoic acid

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· Hazard statements

- H315 Causes skin irritation.
- H361 Suspected of damaging fertility or the unborn child.

· Precautionary statements

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P264 Wash thoroughly after handling.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P321 Specific treatment (see on this label).
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:
· NFPA ratings (scale 0 - 4)


Health = 1
Fire = 1
Reactivity = 0

· HMIS-ratings (scale 0 - 4)


Health = *1
Fire = 1
Reactivity = 0

· Other hazards
· Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures
· Description: Metal carboxylate solution
· Dangerous components:

3164-85-0	Potassium carboxylate	65 - 75%
111-46-6	2,2'-oxybisethanol	20 - 30%
149-57-5	2-ethylhexanoic acid	0.1 - 1.0%

4 First-aid measures

· Description of first aid measures
· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** Immediately call a doctor.

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- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

111-46-6	2,2'-oxybisethanol	6.9 ppm
149-57-5	2-ethylhexanoic acid	15 mg/m ³

- **PAC-2:**

111-46-6	2,2'-oxybisethanol	140 ppm
149-57-5	2-ethylhexanoic acid	99 mg/m ³

- **PAC-3:**

111-46-6	2,2'-oxybisethanol	860 ppm
149-57-5	2-ethylhexanoic acid	590 mg/m ³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.

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Information about storage in one common storage facility:

- **Further information about storage conditions:** Not required.
- **No further relevant information available.**

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

111-46-6 2,2'-oxybisethanol

WEEL	Long-term value: 10 mg/m ³
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149-57-5 2-ethylhexanoic acid

TLV	Long-term value: 5* mg/m ³ *as inhalable fraction and vapor
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- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

- **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Nitrile rubber, NBR

Nitrile rubber, NBR

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Goggles recommended during refilling.

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9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

<i>Appearance:</i>	Clear
<i>Form:</i>	Liquid
<i>Color:</i>	Gardner 6(max.)
<i>Odor:</i>	Characteristic
<i>Odor threshold:</i>	Not determined.

pH-value: Not determined.

Change in condition

<i>Melting point/Melting range:</i>	Undetermined.
<i>Boiling point/Boiling range:</i>	>240 °C (>464 °F)

Flash point: >100 °C (>212 °F)

Flammability (solid, gaseous): Not applicable.

Ignition temperature: 225 °C (437 °F)

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

<i>Lower:</i>	0.7 Vol %
<i>Upper:</i>	22.0 Vol %

Vapor pressure: Not determined.

Density: Not determined.

Relative density Not determined.

Specific Gravity ~ 1.120 @ 25°C

Evaporation rate Not determined.

Solubility in / Miscibility with

Water: Partly miscible.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic at 25 °C (77 °F): <4000 cP

Kinematic: Not determined.

Other information No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

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 · **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

 · **Information on toxicological effects**

 · **Acute toxicity:**

 · **LD/LC50 values that are relevant for classification:**
111-46-6 2,2'-oxybisethanol

Oral	LD50	12565 mg/kg (rat)
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Dermal	LD50	11890 mg/kg (rabbit)
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 · **Primary irritant effect:**

 · **on the skin:** Irritant to skin and mucous membranes.

 · **on the eye:** No irritating effect.

 · **Sensitization:** No sensitizing effects known.

 · **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
 Harmful
 Irritant

 · **Carcinogenic categories**

 · **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

 · **NTP (National Toxicology Program)**

None of the ingredients is listed.

 · **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

 · **Toxicity**

 · **Aquatic toxicity:** No further relevant information available.

 · **Persistence and degradability** No further relevant information available.

 · **Behavior in environmental systems:**

 · **Bioaccumulative potential** No further relevant information available.

 · **Mobility in soil** No further relevant information available.

 · **Additional ecological information:**

 · **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

 · **Results of PBT and vPvB assessment**

 · **PBT:** Not applicable.

 · **vPvB:** Not applicable.

 · **Other adverse effects** No further relevant information available.

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13 Disposal considerations

- . **Waste treatment methods**
- . **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- . **Uncleaned packagings:**
- . **Recommendation:** Disposal must be made according to official regulations.
- . **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

. UN-Number	
. DOT, ADR, ADN, IMDG, IATA	Void
. UN proper shipping name DOT,	
. ADR, ADN, IMDG, IATA	Void
. Transport hazard class(es)	
. DOT, ADR, ADN, IMDG, IATA	
. Class	Void
. Packing group	
. DOT, ADR, IMDG, IATA	Void
. Environmental hazards:	Not applicable.
. Special precautions for user	Not applicable.
. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
. UN "Model Regulation":	Void

15 Regulatory information

. Safety, health and environmental regulations/legislation specific for the substance or mixture
. Sara
. Section 355 (extremely hazardous substances):
None of the ingredients is listed.
. Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.
. TSCA (Toxic Substances Control Act):
All ingredients are listed
. Proposition 65
. Chemicals known to cause cancer:
None of the ingredients is listed.
. Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
. Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

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Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS07 GHS08

Signal word Warning

Hazard-determining components of labeling:

2-ethylhexanoic acid

Hazard statements

H315 Causes skin irritation.

H361 Suspected of damaging fertility or the unborn child.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash thoroughly after handling.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P321 Specific treatment (see on this label).

P308+P313 IF exposed or concerned: Get medical advice/attention.

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

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: Research and Development Department

Date of preparation / last revision :03/14/2017

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Repr. 2: Reproductive toxicity – Category 2

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