



B 1657

Version 1.1

Revision Date 24.04.2018

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : **B 1657**
Other means of Identification : Liquid Potassium Zinc Compound

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Manufacture of plastics products
Polymer additive
Stabilizer
Restrictions on Use : None known

1.3 Details of the supplier of the safety data sheet

Company : Baerlocher Production USA LLC
5890 Highland Ridge Drive
Cincinnati, OH 45232
Telephone : Day 330-602-1528, 330-602-1531
: Night 513-207-1620 or 513-604-2327
E-mail address : Hotline.PS@baerlocher.com
Responsible/issuing person : Product Safety Department

1.4 Emergency telephone number (0 - 24 h)



Tel.: 800-424-9300 USA or 703-527-3887

2. Hazards identification

2.1 Classification of the substance or mixture

Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Reproductive toxicity, Category 2	H361d: Suspected of damaging the unborn child.
Chronic aquatic toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Hazard pictograms :  

Signal word : Danger

Hazard statements : H315 Causes skin irritation.
H318 Causes serious eye damage.
H361d Suspected of damaging the unborn child.
H412 Harmful to aquatic life with long lasting



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effects.

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P273 Avoid release to the environment.
P280 Wear eye protection/ face protection.
P281 Use personal protective equipment as required.

Response:
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 or doctor/ physician.

2.3 Other hazards

The product is combustible.

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature : Preparation containing zinc carboxylate in organic solvent.

Hazardous components

Chemical Name	CAS-No.	Concentration [%]
Distillates (petroleum), hydrotreated light	64742-47-8	< 15*
Dipropylene glycol monomethyl ether	34590-94-8	< 10*
Zinc compounds*	Trade Secret*	>= 50*
Potassium 2-ethylhexanoate	3164-85-0	< 20*

*Trade Secret – The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. First aid measures

4.1 Description of first aid measures

General advice : Remove and wash contaminated clothing before re-use.
If inhaled : Move to fresh air.
In case of skin contact : Wash off with soap and plenty of water.
Take off contaminated clothing and shoes immediately.
In case of eye contact : Rinse with plenty of water.



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If swallowed : Consult a doctor and show this safety datasheet.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
Dry chemical
Sand

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Smoke and fumes, toxic.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Remove all sources of ignition.
Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections



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For personal protection see section 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Take precautionary measures against static discharges.
Keep away from sources of ignition - No smoking.
Provide sufficient air exchange and/or exhaust in work rooms.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store at room temperature in the original container.
Keep container tightly closed in a dry and well-ventilated place.

Further information on storage conditions : Handle in accordance with good industrial hygiene and safety practice.

German storage class : 10 Combustible liquids

7.3 Specific end use(s)

: Consult the technical guidelines for the use of this substance/mixture.



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8. Exposure controls/personal protection

8.1 Control parameters

Substance	CAS No.	Regulatory Limits			Recommended Limits	
		OSHA PEL		Cal/OSHA PEL	NIOSH REL	ACGIH TLV
		ppm	mg/m ³	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
Distillates (Petroleum), hydrotreated light	64742-47-8					200 mg/m ³
Dipropylene glycol monomethy ether	34590-94-8	100 SKIN	600			100 ppm (ST) 150 ppm SKIN
Particulates Not Otherwise Regulated (PNOR) Respirable fraction			5	5 mg/m ³		3 mg/m ³

8.2 Exposure controls

Engineering measures

Local exhaust

Personal protective equipment

- Respiratory protection : In case of insufficient ventilation:
Protective mask against solvent vapours (A2 Filter)
- Hand protection : protective gloves acc. to EN 374, e.g. neoprene, thickness:
min. 0,7 mm
- Eye protection : Safety glasses
- Skin and body protection : Long sleeved clothing
Rubber apron
- Hygiene measures : When using do not eat or drink.
Do not smoke.
Wash hands before breaks and at the end of workday.
Shower or bathe at the end of working.
Keep working clothes separately.



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Protective measures : antistatic shoes

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Color : yellowish

Odor : characteristic

pH : no data available

Boiling point/boiling range : 237 - 277 °C, Value refers to the solvent.

Flash point : > 100 °C

Lower explosion limit : ca. 0,5 %(V), Value refers to the solvent.

Upper explosion limit : ca. 4,6 %(V), Value refers to the solvent.

Vapor pressure : 0,03 hPa, 20 °C, Value refers to the solvent.

Density : 0,8 - 1,0 g/cm³

Water solubility : slightly soluble

Partition coefficient: n-octanol/water : no data available

Auto-ignition temperature : ca. 243 °C, Value refers to the solvent.

Ignition temperature : no data available

Viscosity, dynamic : no data available

Viscosity, kinematic : no data available

Odor Threshold : No data available

Melting/Freezing Point : No data available

Evaporation Rate : No data available

Flammability : No data available

Vapor Density : No data available

Decomposition Temperature : No data available



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9.2 Other information

No data available

10. Stability and reactivity

10.1 Reactivity

Stable at normal ambient temperature and pressure.

10.2 Chemical stability

No decomposition if stored normally.

10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Sources of ignition

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : No decomposition if used as directed.

11. Toxicological information

11.1 Information on toxicological effects

Components:

Distillates (petroleum), hydrotreated light :

- Acute oral toxicity : LD50: > 5.000 mg/kg, rat, OECD Test Guideline 420, GLP: yes, Based on available data, the classification criteria are not met.
- Acute inhalation toxicity : LC50: > 5,28 mg/l, 4 h, rat, vapour, OECD Test Guideline 403, GLP: yes, Based on available data, the classification criteria are not met.
- Acute dermal toxicity : LD50: > 2.000 mg/kg, rabbit, OECD Test Guideline 402, GLP: yes, Based on available data, the classification criteria are not met.
- Skin corrosion/irritation : rabbit, Result: irritating, standardised international/national methodology, 24 h, GLP: yes
- Serious eye damage/eye irritation : rabbit, Result: not irritating, standardised international/national methodology, GLP: yes, Based on available data, the classification criteria are not met.



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- Respiratory or skin sensitisation : Skin sensitisation
- : Buehler Test, guinea pig, Result: not sensitising, OECD Test Guideline 406, GLP: yes, Based on available data, the classification criteria are not met.
- : Respiratory sensitisation
- : Based on available data, the classification criteria are not met.
- Germ cell mutagenicity
- Genotoxicity in vitro : Mutagenicity (Salmonella typhimurium - reverse mutation assay), Bacteria, Result: negative, OECD Test Guideline 471
- : In vitro gene mutation study in mammalian cells, mouse lymphoma cells, Result: negative, OECD Test Guideline 476, GLP: yes, Based on available data, the classification criteria are not met.
- Genotoxicity in vivo : Genotoxicity in vivo, rat, intraperitoneally, OECD Test Guideline 478, Result: negative
- : Genotoxicity in vivo, mouse, intraperitoneally, OECD Test Guideline 478, Result: negative
- : Genotoxicity in vivo, mouse, Inhalation, OECD Test Guideline 478, Result: negative
- : Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis), rat, intraperitoneally, OECD Test Guideline 475, GLP: yes, Based on available data, the classification criteria are not met.
- Carcinogenicity : mouse, Skin contact, OECD Test Guideline 451, GLP: yes, Based on available data, the classification criteria are not met.
- Reproductive toxicity : One-generation reproduction toxicity test, rat, Oral
- : Screening for reproductive/developmental toxicity, rat, Skin contact, NOAEL: > 494 mg/kg, OECD Test Guideline 421, Based on available data, the classification criteria are not met.
- Teratogenicity : rat, Inhalation, OECD Test Guideline 414
- : rat, Oral, OECD Test Guideline 414, Based on available data, the classification criteria are not met.
- STOT - single exposure : Assessment: May cause drowsiness or dizziness.
- STOT - repeated exposure : rat, Oral, Exposure time: <= 90 d, Based on available data, the classification criteria are not met.
- STOT - repeated exposure : rat / mouse, Inhalation, Exposure time: 90 d, OECD Test Guideline 413, Based on available data, the classification criteria are not met.
- STOT - repeated exposure : rat, Dermal, Exposure time: 28 d, OECD Test Guideline 410, GLP: yes, Based on available data, the classification criteria



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- are not met.
- Aspiration toxicity : May be fatal if swallowed and enters airways.
- Further information : CMR effects, Carcinogenicity, Mutagenicity, Reproductive toxicity, Hazard assessment, Category 1A, Category 1B, Based on available data, the classification criteria are not met.
- : Likely route of exposure, Inhalation, Ingestion, Skin contact

Zinc Compounds :

- Acute oral toxicity : LD50: > 2.000 mg/kg, rat, standardised international/national methodology, Based on available data, the classification criteria are not met.
- Acute inhalation toxicity : Not classified due to lack of data.
- Acute dermal toxicity : Read-across (Analogy)
- : LD50: > 2.000 mg/kg, rat, OECD Test Guideline 402, Based on available data, the classification criteria are not met.
- Skin corrosion/irritation : Read-across (Analogy)
- : rabbit, Result: slight irritation, OECD Test Guideline 404, GLP: yes, Based on available data, the classification criteria are not met.
- Serious eye damage/eye irritation : Read-across (Analogy)
- : rabbit, Result: irritating, OECD Test Guideline 405, GLP: yes
- Respiratory or skin sensitisation : Skin sensitisation
- : Read-across (Analogy), Based on available data, the classification criteria are not met.
- : Respiratory sensitisation
- : Based on available data, the classification criteria are not met.
- Germ cell mutagenicity
- Genotoxicity in vitro : Read-across (Analogy)
- : Based on available data, the classification criteria are not met.
- Carcinogenicity : Read-across (Analogy)
- : Based on available data, the classification criteria are not met.
- Reproductive toxicity : Read-across (Analogy)
- : Suspected of damaging the unborn child.
- STOT - single exposure : Remarks: Based on available data, the classification criteria are not met.
- STOT - repeated exposure : Read-across (Analogy), Based on available data, the



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- classification criteria are not met.
- Aspiration toxicity : Based on available data, the classification criteria are not met.
- Further information : CMR effects, Carcinogenicity, Mutagenicity, Reproductive toxicity, Hazard assessment, Category 1A, Category 1B, Based on available data, the classification criteria are not met.
- : Likely route of exposure, Inhalation, Ingestion, Skin contact

Potassium 2-ethylhexanoate :

- Acute oral toxicity : Read-across (Analogy)
- : LC50: 2.043 mg/kg, rat, OECD Test Guideline 401, GLP: yes, Based on available data, the classification criteria are not met.
- Acute inhalation toxicity : Read-across (Analogy)
- : LC50: 0,11 mg/l, 8 h, rat, vapour, OECD Test Guideline 403, GLP: yes, Based on available data, the classification criteria are not met.
- Acute dermal toxicity : Read-across (Analogy)
- : LD50: > 2.000 mg/kg, rat, OECD Test Guideline 402, GLP: yes, Based on available data, the classification criteria are not met.
- Skin corrosion/irritation : rabbit, Result: Causes skin irritation., OECD Test Guideline 404, GLP: yes
- Serious eye damage/eye irritation : in vitro assay, Result: Causes serious eye damage., OECD Test Guideline 437, GLP: yes
- Respiratory or skin sensitisation : Skin sensitisation
- : Maximisation Test, guinea pig, Result: not sensitising, OECD Test Guideline 406, GLP: no, Read-across (Analogy), Based on available data, the classification criteria are not met.
- : Respiratory sensitisation
- : Based on available data, the classification criteria are not met.
- Germ cell mutagenicity
- Genotoxicity in vitro : Read-across (Analogy)
- : Mutagenicity (Salmonella typhimurium - reverse mutation assay), Bacteria, Result: negative, OECD Test Guideline 471, GLP: yes
- : Read-across (Analogy)
- : In vitro gene mutation study in mammalian cells, CHO, Result: negative, OECD Test Guideline 476, GLP: yes
- : Read-across (Analogy)
- : Mutagenicity (in vitro mammalian cytogenetic test),



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- Lymphocytes (rat), Result: negative, OECD Test Guideline 473, GLP: yes, Based on available data, the classification criteria are not met.
- Genotoxicity in vivo : Read-across (Analogy)
- : In vivo micronucleus test, mouse, Oral, OECD Test Guideline 474, GLP: yes, Result: negative, Based on available data, the classification criteria are not met.
- Carcinogenicity : Not classified due to lack of data.
- Reproductive toxicity : Read-across (Analogy)
- : Suspected of damaging the unborn child.
- STOT - single exposure : Remarks: Based on available data, the classification criteria are not met.
- STOT - repeated exposure : Read-across (Analogy)
- STOT - repeated exposure : mouse, Oral, Exposure time: 13 w, NOAEL: 180 mg/kg, standardised international/national methodology
- STOT - repeated exposure : Read-across (Analogy)
- STOT - repeated exposure : rat, Oral, Exposure time: 13 w, NOAEL: 61 mg/kg, standardised international/national methodology
- Aspiration toxicity : Based on available data, the classification criteria are not met.
- Further information : CMR effects, Carcinogenicity, Mutagenicity, Reproductive toxicity, Hazard assessment, Category 1A, Category 1B, Based on available data, the classification criteria are not met.
- : Likely route of exposure, Inhalation, Ingestion, Skin contact
- Zinc Compounds :**
- Acute oral toxicity : Read-across (Analogy)
- : LD50: > 5.000 mg/kg, rat, OECD Test Guideline 401
- : Read-across (Analogy)
- : LD50: 2.565 mg/kg, rat, OECD Test Guideline 423, Based on available data, the classification criteria are not met.
- Acute inhalation toxicity : Read-across (Analogy)
- : LC50: > 200 mg/l, 1 h, rat, dust/mist
- : Read-across (Analogy)
- : LC50: > 50 mg/l, 4 h, rat, dust/mist, Based on available data, the classification criteria are not met.
- Acute dermal toxicity : Read-across (Analogy)
- : LD50: > 2000 mg/kg bw, rabbit, Based on available data, the classification criteria are not met.



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Skin corrosion/irritation	: Read-across (Analogy) : rabbit, Result: not irritating, OECD Test Guideline 404, Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	: Read-across (Analogy) : rabbit, Result: Irritating to eyes., OECD Test Guideline 405, GLP: yes
Respiratory or skin sensitisation	: Skin sensitisation, Read-across (Analogy) : Patch test on human volunteers did not demonstrate sensitisation properties., Based on available data, the classification criteria are not met. : Respiratory sensitisation : Not classified due to lack of data.
Germ cell mutagenicity	
Genotoxicity in vitro	: Read-across (Analogy) : Result: negative, standardised international/national methodology, Based on available data, the classification criteria are not met.
Genotoxicity in vivo	: Read-across (Analogy) : standardised international/national methodology, Result: negative, Based on available data, the classification criteria are not met.
Carcinogenicity	: Read-across (Analogy) : Based on available data, the classification criteria are not met.
Reproductive toxicity	: Read-across (Analogy) : Based on available data, the classification criteria are not met.
Teratogenicity	: Read-across (Analogy) : Based on available data, the classification criteria are not met.
STOT - single exposure	: Remarks: Read-across (Analogy) : Remarks: Based on available data, the classification criteria are not met.
STOT - repeated exposure	: Read-across (Analogy)
STOT - repeated exposure	: Based on available data, the classification criteria are not met.
Aspiration toxicity	: Not classified due to lack of data.
Further information	: CMR effects, Carcinogenicity, Mutagenicity, Reproductive toxicity, Hazard assessment, Category 1A, Category 1B,



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Based on available data, the classification criteria are not met.
: Likely route of exposure, Inhalation, Ingestion, Skin contact

11.2 Carcinogenicity

Contains no known or suspected carcinogens listed by IARC, NTP or OSHA at or above reportable quantities.

12. Ecological information

12.1 Toxicity

Components:

Distillates (petroleum), hydrotreated light :

- Toxicity to fish : LL50: 2,5 mg/l, 96 h, Oncorhynchus mykiss (rainbow trout), semi-static test, OECD Test Guideline 203, GLP: yes, Value referred to the Water accumulated fraction (WAF).
- Toxicity to daphnia and other aquatic invertebrates : EL50: 1,4 mg/l, 48 h, Daphnia magna (Water flea), static test, OECD Test Guideline 202, GLP: yes, Value referred to the Water accumulated fraction (WAF).
- Toxicity to algae : EL50: 1,3 mg/l, 72 h, Pseudokirchneriella subcapitata (green algae), static test, OECD Test Guideline 201, GLP: yes, Value referred to the Water accumulated fraction (WAF).
- Toxicity to bacteria : LL50: 677,9 mg/l, 72 h, Tetrahymena pyriformis, QSAR, GLP: no

- Toxicity to fish (Chronic toxicity) : NOEL: 0,098 mg/l, 28 d, Oncorhynchus mykiss (rainbow trout), QSAR, GLP: no
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEL: 0,48 mg/l, 21 d, Daphnia magna (Water flea), semi-static test, OECD Test Guideline 211, GLP: yes, Value referred to the Water accumulated fraction (WAF).

Ecotoxicology Assessment

- Acute aquatic toxicity : Based on available data, the classification criteria are not met.
- Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Zinc Compounds :

- Toxicity to fish :
 - Read-across (Analogy)
 - : LC50: 100 mg/l, 96 h, Cyprinus carpio (Carp), OECD Test Guideline 203, GLP: yes

- Toxicity to daphnia and other aquatic invertebrates :
 - Read-across (Analogy)
 - : EC50: 5 mg/l, 48 h, Daphnia magna (Water flea), static test, OECD Test Guideline 202, GLP: yes



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- Toxicity to algae :
: Read-across (Analogy)
: EC50: 2,72 mg/l, 72 h, Pseudokirchneriella subcapitata (green algae), static test, OECD Test Guideline 201, GLP: yes
- Toxicity to bacteria :
: IC50: > 100 mg/l, 3 h, activated sludge, static test, OECD Test Guideline 209
- Toxicity to fish (Chronic toxicity) :
: Read-across (Analogy)
NOEC: 0,044 - 0,530 mg Zn/L, Fresh water
- Read-across (Analogy)
NOEC: 0,025 mg Zn/L, Marine water
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) :
: Read-across (Analogy)
NOEC: 0,037 - 0,400 mg Zn/L, Fresh water
- Read-across (Analogy)
NOEC: 0,0056 - 0,9 mg Zn/L, Marine water

Ecotoxicology Assessment

- Acute aquatic toxicity : Based on available data, the classification criteria are not met.
- Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Potassium 2-ethylhexanoate :

- Toxicity to fish :
: Read-across (Analogy)
: LC50: > 100 mg/l, 96 h, Oryzias latipes (Orange-red killifish), semi-static test, OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates :
: Read-across (Analogy)
: EC50: 85,4 mg/l, 48 h, Daphnia magna (Water flea), static test, standardised international/national methodology, GLP: no
- Toxicity to algae :
: Read-across (Analogy)
: EC50: 49,3 mg/l, 96 h, Desmodesmus subspicatus (Scenedesmus subspicatus), static test, standardised international/national methodology, GLP: no
- Toxicity to bacteria :
: Read-across (Analogy)
: EC50: 112,1 mg/l, 17 h, Pseudomonas putida, static test, standardised international/national methodology, GLP: no



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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Read-across (Analogy)
NOEC: 25 mg/l, 21 d, Daphnia magna (Water flea), semi-static test, OECD Test Guideline 211, GLP: no

Ecotoxicology Assessment

Acute aquatic toxicity : Based on available data, the classification criteria are not met.

Chronic aquatic toxicity : Based on available data, the classification criteria are not met.

Zinc Compounds :

Toxicity to fish : LC50: 10 - 100 mg/l, 96 h, Danio rerio (zebra fish), OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50: 1 - 10 mg/l, 48 h, Daphnia magna (Water flea), OECD Test Guideline 202

Toxicity to algae : EC50: 1 - 10 mg/l, 72 h, Desmodesmus subspicatus (green algae), OECD Test Guideline 201

: NOEC: < 1,0 mg/l, 72 h, Desmodesmus subspicatus (green algae), OECD Test Guideline 201

12.2 Persistence and degradability

Components:

Distillates (petroleum), hydrotreated light :

Biodegradability : aerobic, 61 %, Result: Readily biodegradable., Exposure time: 28 d, activated sludge, OECD Test Guideline 301 F, GLP: yes

Zinc Compounds :

Biodegradability :
Read-across (Analogy)
: aerobic, 70 %, Result: Readily biodegradable., Exposure time: 28 d, activated sludge, OECD Test Guideline 301D, GLP: yes

Potassium 2-ethylhexanoate :

Biodegradability :
Read-across (Analogy)
: aerobic, 99 %, Result: Readily biodegradable., Exposure time: 28 d, activated sludge, DOC; modif. OECD Screening Test / OECD 301 E, GLP: no

Zinc Compounds :

Biodegradability :
Read-across (Analogy)



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:
Readily biodegradable.

12.3 Bioaccumulative potential

Components:

Distillates (petroleum), hydrotreated light :

Bioaccumulation :
no data available

Zinc Compounds :

Bioaccumulation :
Read-across (Analogy), This substance is not considered to be bioaccumulating.

Potassium 2-ethylhexanoate :

Bioaccumulation :
Read-across (Analogy)

:
This substance is not considered to be bioaccumulating.

Zinc Compounds :

Bioaccumulation :
not applicable

12.4 Mobility in soil

Components:

Distillates (petroleum), hydrotreated light :

Mobility : QSAR, Predicted distribution to environmental compartments,
Air

Zinc Compounds :

Mobility : not applicable

Potassium 2-ethylhexanoate :

Mobility : Read-across (Analogy)
: QSAR, Predicted distribution to environmental compartments,
Water

Zinc Compounds :

Mobility : According to experience not expected

12.5 Results of PBT and vPvB assessment

Components:

Distillates (petroleum), hydrotreated light :

Assessment : Based on available data, the classification criteria are not met.

Zinc Compounds :

Assessment : Based on available data, the classification criteria are not met.

Potassium 2-ethylhexanoate :

Assessment : Based on available data, the classification criteria are not met.

Zinc Compounds :

Assessment : Based on available data, the classification criteria are not met.

12.6 Other adverse effects

Distillates (petroleum), hydrotreated light :

Further information : No information available.

Zinc Compounds :

Further information : No information available.



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Potassium 2-ethylhexanoate :

Further information : No information available.

Zinc Compounds :

Further information : No information available.

13. Disposal considerations

13.1 Waste treatment methods

Product/packaging : Dispose of contents/container in accordance with local/regional/national/international/regulations.

14. Transport information

14.1 UN number

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods



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14.5 Environmental hazards

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.6 Special precautions for user

See this safety data sheet chapter 6. - 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks : No transport according to Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

Section 313 Supplier Notification (USA)

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

Component	CAS/313 Category Code	Wt (%)
Zinc compounds	N982	71.9

National Legislation:

Registration Status:

EINECS	: listed
TSCA	: listed
DSL	: listed
AICS	: listed
ENCS	: Not listed
ECL	: listed
PICCS	: Not listed
CHINA	: listed



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16. Other information

Date of Preparation or last change: 24.04.2018

HMIS Rating (USA)

Health	:	2
Flammability	:	1
Reactivity	:	1
Personal Protection	:	G
WHMIS Class, Subdiv.	:	D2,b

Full text of H-Statements

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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