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Pony Testing International Group

Report No.: MPIWLFJJ96733716

MSDS Report

Sample Name
& Model

Li-Polymer Battery SK7422

Applicant

Dongguan S-KING Limited

Address

Room 309, Dongguan International Commerce Building,
Hongfu West Road, Shenghe, Nancheng Street, Dongguan



No.: MPIWLFJJ96733716
Code: aXRfRU117

PONY 谱尼测试
Pony Testing International Group
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北京实验室: (010)83055000	长春实验室: (0431)85150908	石家庄实验室: (0311)85376660	武汉实验室: (027)83997127
上海实验室: (021)64851999	大连实验室: (0411)87336618	西安实验室: (029)89608785	合肥实验室: (0551)63843474
青岛实验室: (0532)88706866	哈尔滨实验室: (0451)58627755	呼和浩特实验室: (0471)3450025	广州实验室: (020)89224310
深圳实验室: (0755)26050909	郑州实验室: (0371)69350670	杭州实验室: (0571)85806807	厦门实验室: (0592)5568048
天津实验室: (022)23607888	新疆实验室: (0991)6684186	宁波实验室: (0574)87977185	成都实验室: (028)87702708
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		成都实验室: (028) 87702708



Material Safety Data Sheet

Reference to ST/SG/AC.10/30/Rev.8 (GHS)

Section 1 - Chemical Product and Company Identification

Chemical Product Identification

Sample Name: Li-Polymer Battery

Sample Model: SK7422

Recommended Uses: N/A

Restrictions on Use: N/A

Supplier Name: SHENZHEN ZHONGNUOTONGCHUANG TECHNOLOGY CO.,LTD

Address: Floor 4, Building C, Huaerte Industrial Park, Baihua community, Guangming District, Shenzhen

Phone Number: 0755-23008830

FAX: 0755-23008830

E-mail: 1104445220@163.com

Emergency Phone Number: 0769-23025813

Section 2 - Hazards Identification

Emergency overview: This product is a battery. Intended use of the product should not result in exposure to the chemical substance. In case of rupture the below hazards exist.

Classification according to GHS

Acute toxicity, oral (4)

Skin corrosion/irritation (2)

Serious eye damage/eye irritation (2A)

Specific target organ toxicity, single exposure; Respiratory tract irritation (3)

Label elements

Hazard pictogram(s):



Signal word:

Warning

Hazard statement(s):

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary statement(s):

Prevention:

- P264 Wash skin and clothing thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P280 Wear protective gloves, protective clothing, eye protection, face protection.
- P261 Avoid breathing dust, fume, gas, mist, vapours, spray.
- P271 Use only outdoors or in a well-ventilated area.

Response:

- P301 + P312 IF SWALLOWED: Call a POISON CENTER if you feel unwell.
- P330 Rinse mouth.
- P302 + P352 IF ON SKIN: Wash with plenty water.
- P321 Specific treatment (See additional emergency instructions).
- P333 + P313 If skin irritation or rash occurs: Get medical advice.
- P362 + P364 Take off contaminated clothing and wash it before reuse.
- 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.
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 Call a POISON CENTER, if you feel unwell.

Storage

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

Disposal:

- P501 Send contents to approved waste treatment plants.

Other hazards

Physical and chemical hazards: See Section 10

Human health hazards: See Section 11

Environmental hazards: See Section 12

Section 3 – Composition/Information on Ingredients

Chemical characterization: Mixture

Chemical Composition	CAS No.	EC#	Weight (%)
Lithium Nickel Manganese Cobalt Oxide(LiNiMnCoO ₂)	---	---	30~40
Copper	7440-50-8	231-159-6	5~8



Graphite	7782-42-5	231-955-3	15~21
Aluminium	7429-90-5	231-072-3	3~5
Polyethylene	9002-88-4	618-339-3	1~3
1,3-Dioxolan-2-one	96-49-1	202-510-0	10~17
Carbonic acid, ethyl methyl ester	623-53-0	613-014-2	
Carbonic acid, dimethyl ester	616-38-6	210-478-4	
Phosphate(1-), hexafluoro-, lithium	21324-40-3	244-334-7	
Aluminium	7429-90-5	231-072-3	1~3
4-methylpyrimidin-2-ylamine	108-52-1	203-591-5	
Nylon	63428-83-1	613-218-1	
PHENOLIC RESIN	61788-97-4	612-377-4	1~3
Glass Fiber	---	---	
Filling Agent	---	---	
Polyvinyl chloride resin	9002-86-2	618-338-8	1~3
Copper	7440-50-8	231-159-6	

Section 4 - First Aid Measures

Description of first aid measures

General information No special measures required.

After eye contact

Flush eyes with plenty of water for several minutes while holding eyelids open. Get medical attention if irritation persists.

After skin contact

Remove contaminated clothing and shoes. Immediately wash with water and soap and rinse thoroughly. Wash clothing and shoes before reuse. If irritation occurs, get medical attention.

After inhalation

Remove victim to fresh area. Administer artificial respiration if breathing is difficult. Seek medical attention.

After swallowing

Do not induce vomiting. Get medical attention.

Personal protective equipment for first-aid responders: No data available.

Most important symptoms/effects, acute and delayed: No data available.

Indication of immediate medical attention and special treatment needed: Treat symptomatically.



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Section 5 - Fire Fighting Measures

Suitable extinguishing media:

Small Fire: Dry chemical, CO₂, water spray or regular foam. Large Fire: Water spray, fog or regular foam. Move containers from fire area if you can do it without risk.

Unsuitable extinguishing media:

No data available.

Specific Hazards arising from the chemical:

Special hazards arising from the substance or mixture

Battery may burst and release hazardous decomposition products when exposed to a fire situation. Lithium ion batteries contain flammable electrolyte that may vent, ignite and produce sparks when subjected to high temperature(>150°C(302°F)), when damaged or abused (e.g. mechanical damage or electrical overcharging); may burn rapidly with flare-burning effect; may ignite other batteries in close proximity.

Specific protective actions for fire-fighters:

Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Section 6 - Accidental Release Measures

Personal precautions:

As an immediate precautionary measure, isolate spill or leak area for at least 25 meters (75 feet) in all directions. Keep unauthorized personnel away. Stay upwind, uphill and/or upstream. Ventilate closed spaces before entering. Large Spill: Consider initial downwind evacuation for at least 100 meters (330 feet).

Protective equipment:

No data available.

Emergency procedures:

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Absorb with earth, sand or other non-combustible material. Leaking batteries and contaminated absorbent material should be placed in metal containers.

Environmental precautions:

Do not allow material to be released to the environment without proper governmental permits.

Methods and materials for containment and cleaning up:

For all waste handling must refer to United Nations, National and Local Regulations for disposal.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.



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Section 7 - Handling and Storage

Precautions for safe handling:

Avoid short circuiting the battery. Avoid mechanical damage of the battery. Do not open or disassemble. Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity. Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well-ventilated place. Keep away from heat, avoiding the long time of sunlight.

Section 8 - Exposure Controls/Personal Protection

Control parameters

CAS No.	ACGIH	NIOSH	OSHA
7440-50-8	TLV-TWA 0.2mg/m ³ TLV-TWA 1mg/m ³	REL-TWA 1mg/m ³ REL-TWA 0.1mg/m ³	PEL-TWA 0.1mg/m ³ PEL-TWA 1mg/m ³
7782-42-5	TLV-TWA 2mg/m ³	REL-TWA 2.5mg/m ³	PEL-TWA 15mppcf PEL-TWA 20mppcf
7429-90-5	TLV-TWA 1mg/m ³	REL-TWA 2mg/m ³ REL-TWA 5mg/m ³ REL-TWA 10mg/m ³	PEL-TWA 5mg/m ³ PEL-TWA 15mg/m ³
9002-88-4	N/A	N/A	N/A
96-49-1	N/A	N/A	N/A
623-53-0	N/A	N/A	N/A
616-38-6	N/A	N/A	N/A
21324-40-3	N/A	N/A	N/A
108-52-1	N/A	N/A	N/A
63428-83-1	N/A	N/A	N/A
61788-97-4	N/A	N/A	N/A
9002-86-2	N/A	N/A	N/A

Appropriate engineering controls:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.



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Wash hands before breaks and at the end of work.

Personal Protective Equipment:

Respiratory protection: Wear suitable protective mask. For a large large number of battery leakages, wear chemical protective clothing, including self-contained breathing apparatus.

Hand Protection: Wear appropriate protective gloves to reduce skin contact.

Eye Protection: Wear safety goggles or eye protection combined with respiratory protection.

Skin and Body Protection: Working environment required, wear suitable protective clothing to minimize contact with skin. The type of protective equipment must be according to the concentration and the content of certain hazardous substances in the workplace.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Colour:	Black.
Physical State:	Prismatic.
Odour:	Not available.
Odour threshold:	Not available.
pH:	Not available.
Melting point/freezing point:	Not available.
Initial boiling point and boiling range:	Not available.
Flash Point:	Not available.
Evaporation rate:	Not available.
Flammability (solid, gas):	Not available.
Explosion Limits (vol% in air):	Not available.
Vapour pressure, kPa at 20°C:	Not available.
Vapor density:	Not available.
Density/Relative density (water = 1):	Not available.
Solubility(ies):	Not available.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Other information:	
Voltage	7.4V
Electric capacity	2200mAh
Electric Energy	16.28Wh



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Section 10 - Stability and Reactivity

Reactivity: No data available.

Chemical stability: Stable.

Possibility of hazardous reactions: No data available.

Conditions to Avoid: Flames, sparks, and other sources of ignition, incompatible materials.

Incompatible materials: Oxidizing agents, acid base.

Hazardous decomposition products: Carbon monoxide, carbon dioxide, lithium oxide fumes.

Section 11 - Toxicological Information

Acute Toxicity:

CAS No.	LC50/LD50
7440-50-8	No data available.
7782-42-5	No data available.
7429-90-5	No data available.
9002-88-4	No data available.
96-49-1	LD50 Rat (oral): 10g/kg
623-53-0	No data available.
616-38-6	No data available.
21324-40-3	No data available.
108-52-1	No data available.
63428-83-1	No data available.
61788-97-4	No data available.
9002-86-2	No data available.

Skin corrosion/irritation: No data available.

Serious eye damage/irritation: No data available.

Respiratory or Skin sensitization: No data available.

Germ Cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ toxicity-Single exposure: No data available.

Specific target organ toxicity-Repeated exposure: No data available.

Aspiration hazard: No data available.

Information on the likely routes of exposure: No data available.



Eye: No data available.

Skin: No data available.

Ingestion: No data available.

Inhalation: No data available.

Section 12 - Ecological Information

Ecological Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other adverse effects: No data available.

Section 13 - Disposal Considerations

Disposal methods:

Recommendation:

Consult state, local or national regulations to ensure proper disposal.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

Section 14 - Transport Information

UN or ID Number	
IATA	UN3480
IMDG	UN3480
Model Regulation	UN3480
Proper Shipping Name/Description	
IATA	Lithium ion batteries
IMDG	LITHIUM ION BATTERIES
Model Regulation	LITHIUM ION BATTERIES
Class or Div. (Sub Hazard)	
IATA	9
IMDG	9
Model Regulation	9
Packing Group	




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IATA	N/A
IMDG	N/A
Model Regulation	N/A
Hazard Label	
IATA	
IMDG	N/A
Model Regulation	N/A
Environmental hazards	
Marine pollutant:	No
Special precautions for user	No information available.

Transport information: The Li-Polymer Battery SK7422 has passed the test UN38.3, according to the report ID: MNINFF9X93742721.

Exceeds the standard of Table 965- II , so it belongs to dangerous goods. According to the Packing Instruction 965 section IB of IATA DGR 62nd Edition for transportation, Cargo aircraft only.

According to the special provision 188 of IMDG (39-18) or the special provision 188 of <<Recommendations On The Transport Of Dangerous Goods-Model Regulations>> (21st), the goods are not subject to other provision of this code.

Separate batteries to prevent short-circuiting. and they should be packed in strong package during transport. Lithium cell or battery should incorporate a safety venting device or be designed to prevent a violent rupture under normal transport conditions. Keep away from high temperature and open flames.

Note: State of Charge (SoC) not exceeding 30% of their rated capacity. (By air, Lithium ion batteries)

Transport Fashion: By air, by sea, by railway, by road.

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

CAS No.	TSCA	IECSC	DSL/NDL	EINECS/ ELINCS/ NLP
7440-50-8	Listed	Listed	Listed DSL	Listed
7782-42-5	Listed	Listed	Listed DSL	Listed



Hotline 400-819-5688 www.ponytest.com

Pony Testing Group Shenzhen Co., Ltd.
Address: 3/F. of Building 2, Building 1, Xinhaosheng Industrial Park, Yonghe Road, Qiaotou Community, Baoan District, Shenzhen, Guangdong, China
Phone: 0755-26050909

北京实验室: (010) 83055000 武汉实验室: (027) 83997127 新疆实验室: (0991) 6684186 太原实验室: (0351) 7555722
上海实验室: (021) 64851999 武汉车附所: (027) 82318175 石家庄实验室: (0311) 85376660 南宁实验室: (0771) 5554165
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7429-90-5	Listed	Listed	Listed DSL	Listed
9002-88-4	Listed	Listed	Listed DSL	Listed
96-49-1	Listed	Listed	Listed DSL	Listed
623-53-0	Listed	Listed	Listed DSL	Listed
616-38-6	Listed	Listed	Listed DSL	Listed
21324-40-3	Listed	Listed	Listed DSL	Listed
108-52-1	Listed	Listed	Listed DSL	Listed
63428-83-1	Listed	Listed	Listed DSL	Listed
61788-97-4	Listed	Listed	Listed DSL	Listed
9002-86-2	Listed	Listed	Listed DSL	Listed

Section 16 - Other Information

Issue Date: 2021-02-04

Issue Department: Technical department

Modification record:

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

CAS: (Chemical Abstracts Service);

EC: (European Commission);

ACGIH: (American Conference of Governmental Industrial Hygienists);

NIOSH: (US National Institute for Occupational Safety and Health);

OSHA: (US Occupational Safety and Health);

TLV: (Threshold Limit Value)

TWA: (Time Weighted Average);

STEL: (Short Term Exposure Limit);

PEL: (Permissible Exposure Level);

REL: (Recommended Exposure Limit);

PC-STEL: (Permissible concentration-short time exposure limit);

PC-TWA: (Permissible concentration-time weighted average);



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LC50: (Lethal concentration, 50 percent kill);
 LD50: (Lethal dose, 50 percent kill);
 IARC: (International Agency for Research on Cancer);
 EC50: (Median effective concentration);
 BCF: (Bioconcentration Factor);
 BOD: (Biochemical oxygen demand);
 NOEC: (No observed effect concentration);
 NTP: (US National Toxicology Program);
 RTECS: (Registry of Toxic Effects of Chemical Substances);
 IATA: (International Air Transport Association);
 IMDG: (International Maritime Dangerous Goods);
 TDG: (Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations);
 TOC: (Total Organic Carbon);
 TSCA: (Toxic Substances Control Act of USA);
 DSL: (the Domestic Substances List of Canada);
 NDSL: (the Non-domestic Substances List of Canada)

End of report

Phenoxyethanol SA

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules and Regulation Revision Date: 09-11-2015 Supersedes: 11-12-2012

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Phenoxyethanol SA **Distributor:** MakingCosmetics.com Inc. **Synonyms:** 2,4-Hexadienoic acid, 1,2-octanediol **Address:** 10800 231st Way NE **INCI Name:** Phenoxyethanol, sorbic acid, caprylyl glycol Redmond, WA 98053 (USA) **CAS Number:** 122-99-6, 110-44-1, 1117-86-8 **Phone / Fax:** 425-292-9502 / 425-292-9601 **Formula:** Not available **Web:** www.makingcosmetics.com **Product Form:** Liquid

Product Use: Cosmetic use **Emergency Telephone Number:** 1-800-424-9300 (Chemtrec) **2 HAZARDS IDENTIFICATION**

GHS Classification: Skin Irrit. 2, Eye Irrit. 2, STOT SE 3

GHS Signal Word: WARNING

GHS Hazard Pictograms:



GHS Hazard Statements: H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

GHS Precautionary Statements: P281: Use personal protective equipment as required

Potential Health Hazards: Eyes: Irritant.

Inhalation: May be irritant.

Skin: May be irritant.

Ingestion: May be irritant.

NFPA Ratings (704): Health 1 Mild

Flammability 1 Mild

Reactivity 0 Minimal

Specific Hazard n/a

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component CAS No. Weight % Molecular Weight Phenoxyethanol 122-99-6 50.5-54.5% N/A Sorbic acid 110-44-1 5.0-7.5% N/A Caprylyl glycol 1117-86-8 40.0-44.0% N/A

4 FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. Seek medical attention if symptoms occur.

Inhalation: Remove victim to fresh air. Seek medical attention if symptoms occur.

Skin: Wash skin with soap and water. Seek medical attention if symptoms occur.

Ingestion: Give water. Do not induce vomiting. Seek medical attention if symptoms occur.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Special protective equipment & precautions for firefighters:

Dry chemical, foam, carbon dioxide, water spray. Water stream

Flash Points: 124°C (255°F)

Specific hazards

arising from the chemical:

RELEASE MEASURES

Unknown

may splash burning liquid and spread fire.

Firefighters should wear full protective clothing including self-contained breathing Apparatus.

6 ACCIDENTAL



MakingCosmetics[®] SDS (Safety Data Sheet)

procedures:

See section 8 for recommendations on the use of personal protective equipment.

Personal precautions, protective equipment & emergency

Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up:

Conditions for safe storage, incl. any incompatibilities:

Handle in accordance with good industrial hygiene and safety practices. Avoid contact with eyes.

7 HANDLING & STORAGE

Pick up small spills with absorbent materials such as paper towels. "Oil dry", sand or dirt. Recover large spills for salvage or disposal. Wash hard surfaces with safety solvent or detergent to remove remaining oil film. Greasy nature will result in a slippery surface.

Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place protected from sunlight.

Precautions for safe handling:

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits Basis Entity Phenoxyethanol N/A

TWA: Time Weighted Average over 8 hours of work.

TLV: Threshold Limit Value over 8 hours of work.

REL: Recommended Exposure Limit

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.

IDLH: Immediately Dangerous to Life or Health

WEEL: Workplace Environmental Exposure Levels

CEIL: Ceiling

Personal Protection:

Eyes: Safety glasses, goggles, or face shield recommended for eye protection.

Inhalation: Appropriate NIOSH approved respiratory protection should be worn.

Body: Gloves and protective clothing should be worn to prevent prolonged skin contact.

Other: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State: Liquid **Vapor Pressure:** Not available **Odor:** Mild **Vapor Density:** Not available **Taste:** Not available **Evaporation Rate:** Not available **Color:** Clear to light yellow **Flammability:** Not available **Molecular Weight:** Not available **Explosive Limit:** Not available **pH (1% sol. in water)** Not available **Solubility:** Water and alcohol soluble.

Boiling Point: Not available **Flash Point:** 124°C (255°F) **Melting Point:** Not available **Specific Gravity:** 1.03

10 STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions.

Chemical Stability: Stable under normal conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Not known.

Incompatible Materials: Not known.

Hazardous Decomposition Products: Not anticipated

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Acute oral toxicity (LD50) 1260 (phenoxyethanol) 2200 mg/kg (1,2 Octanediol) **Skin:** Non-irritant (Phenoxyethanol SA); Mild Irritant (Phenoxyethanol); Non-irritant (1, 2 Octanediol) **Eyes:** Moderate Irritant (Phenoxyethanol); Irritant (1, 2 Octanediol)
Respiratory: Not available
Ingestion: Not available
Carcinogenicity: Not available

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Teratogenicity: Not available
Germ Cell Mutagenicity: Non mutagenic
Embryotoxicity: Not available
Specific Target Organ Toxicity: Not available
Reproductive Toxicity: Not available
Respiratory/Skin Sensitization: Non-sensitizing

12 ECOLOGICAL INFORMATION

Ecotoxicity
Aquatic Vertebrate: Not available
Aquatic Invertebrate: Not available
Terrestrial: Not available
Persistence and Degradability: Not available
Bioaccumulative Potential: Not available
Mobility in Soil: Not available
PBT and vPvB Assessment: Not available
Other Adverse Effects: Not available

13 DISPOSAL CONSIDERATIONS

Waste Residues: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. **Product Containers:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA): Not regulated
TDG (Transportation of Dangerous Goods, Canada): Not regulated
IMDG (International Maritime Dangerous Goods): Not regulated
IATA (International Air Transport Association): Not regulated
ICAO (International Civil Aviation Organization): Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status: No data available
DSCL (EEC): This product is not classified according to the EU regulations. Not applicable. **WHMIS (Canada):** Not controlled under WHMIS (Canada)

16 OTHER INFORMATION

Revision Date: 09-11-2015
Compliance: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's

knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

Tripeptide-5

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules and Regulation Revision Date: 10/08/2020 Supersedes: 08/16/2018

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Tripeptide-5 **Distributor:** MakingCosmetics.com Inc. **Synonyms:** Not available **Address:** 10800 231st Way NE **INCI Name:** Palmitoyl tripeptide-5, glycerin, water Redmond, WA 98053 (USA) **CAS Number:** 623172-56-5, 56-81-5, 7732-18-5 **Phone / Fax:** 425-292-9502 / 425-292-9601 **Formula:** C₃₃H₆₅N₅O₅ **Web:** www.makingcosmetics.com **Product Form:** Liquid

Product Use: Cosmetic use **Emergency Telephone Number:** 1-800-424-9300 (Chemtrec) **2 HAZARDS IDENTIFICATION**

GHS Classification: Not classified

GHS Labeling: Not classified

GHS Hazard Pictograms: None

GHS Hazard Statements: None

GHS Precautionary Statements: None

Potential Health Hazards: Eyes: May be irritant.

Inhalation: Not expected to be irritant.

Skin: Not expected to be irritant.

Ingestion: Not expected to be irritant.

NFPA Ratings (704): **Health** 0 Minimal

Flammability 1 Slight

Reactivity 0 Minimal

Specific Hazard N/A

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component CAS No. Weight % Molecular Weight Glycerin 56-81-5 50-70% Not available Palmitoyl tripeptide-5 623172-56-5 Not available Not available Water 7732-18-5 Not available Not available

4 FIRST AID MEASURES

Eyes: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Skin: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. **Ingestion:** Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.

Special protective equipment & precautions for firefighters:

Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

May be combustible at high temperature. Use appropriate

Flash Points: No data available

Specific hazards arising from the chemical: None known. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:

Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

Environmental precautions: Do not flush into surface water or sanitary sewer system. Try to prevent the material from entering drains or water courses. Notify environmental authorities in case of large leaks.

Methods and material for containment

and cleaning up: Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling:

Conditions for safe storage, incl. any incompatibilities:

Take necessary action to avoid static electricity discharge. Product will burn under fire conditions. See section 8 for

recommendations on the use of personal protective equipment. Keep container closed when not in use. To maintain product quality, do not store in heat or direct sunlight. Keep container tightly closed and dry. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits Basis Entity Glycerin 10 mg/m³ OSHA P0 TWA (mist - total dust) 5 mg/m³ OSHA P0 TWA (mist - respirable fraction)

Eyes: Safety glasses should be worn.

TWA: Time Weighted Average over 8 hours of work.
TLV: Threshold Limit Value over 8 hours of work.
REL: Recommended Exposure Limit
PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
IDLH: Immediately Dangerous to Life or Health
WEEL: Workplace Environmental Exposure Levels
CEIL: Ceiling

Personal Protection:

Inhalation: No personal respiratory protective equipment normally required.

Body: Lightweight protective clothing should be worn. Protective gloves should be worn. Glove material: for example, nitrile rubber

Other: Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous liquid **Vapor Pressure:** Not determined **Odor:** Slight **Vapor Density:** Not applicable **Odor**

Threshold: No data available **Evaporation Rate:** Not determined

Color: Colorless - pale yellow; clear - opaque

Flammability: No data available

Molecular Weight: No data available **Upper/lower Explosive Limit:** Not determined **pH:** No data available **Flash Point:** Ca. >403 °F (>206 °C) (calculated)

Boiling Point: Ca. 110-115 °C (calculated) **Specific Gravity @ 25 °C:** No data available **Melting Point:** Not determined **Solubility:** Water: soluble Oils/Fats: insoluble

Relative Density: 1.15-1.22 (@ 20 °C) **Auto-Ignition Temperature:** 813 °F (434 °C)

Partition Coefficient: n octanol/water: heating. Potential for exothermic

Not applicable **Decomposition Temperature:** Decomposes on hazard

Viscosity: Not determined **Explosive Properties:** Not explosive **Oxidizing Properties:** No data available **Freezing Point:** No data available **Refractive Index:** 1.410-1.440 (@ 25 °C)

10 STABILITY AND REACTIVITY

Reactivity: No hazards to be specially mentioned.

Chemical Stability: Stable under recommended storage conditions.



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Hazardous Polymerization: Possible incompatibility with materials listed in Section 10.

Conditions to Avoid: Heat

Incompatible Materials: Strong acids and strong bases. Strong oxidizing agents.

Hazardous Decomposition Products: No decomposition if used as directed.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available

Skin: No skin irritation

Eyes: May irritate eyes

Respiratory: No aspiration toxicity classification.

Ingestion: >5000 mg/kg (estimate)

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen by IARC, OSHA, or NTP.

0Teratogenicity: No data available

Germ Cell Mutagenicity: Not mutagenic. Not genotoxic.

Embryotoxicity: No data available

Specific Target Organ Toxicity: This substance or mixture is not classified as specific target organ toxicant, single exposure.

Reproductive Toxicity: No indication for adverse effects on fertility known.

Respiratory/Skin Sensitization: No data available

Corrosivity: No data available

Sensitization: Did not cause sensitization

Irritation: No data available

Repeated Dose Toxicity: No data available

Further Information: Irritating to mucous membranes

12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate: LC50: >100 mg/L (96h) (*Gobiocypris rarus*) (OECD Test Guideline 203) **Aquatic**

Invertebrate: No data available

Terrestrial: No data available

Persistence and Degradability: Not readily biodegradable.
67.81% (28d) (OECD Test Guideline 301F)

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

This substance/mixture contains no components considered to be either persistent, bioaccumulative (vPvB) at levels of 0.1% or higher.

PBT and vPvB Assessment:

bioaccumulative, and toxic (PBT), or very persistent and very

Other Adverse Effects: No data available

40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602

Regulation Remarks:

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the US Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B)

13 DISPOSAL CONSIDERATIONS

Class I Substances

Waste Residues: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. Offer surplus and non-recyclable solutions to a licensed disposal company.

Product Containers: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. Empty containers should be taken to an approved waste handling site for recycling or disposal.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA): No data available

TDG (Transportation of Dangerous Goods, Canada): Not regulated as a dangerous good

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IMDG (International Maritime Dangerous Goods): Not regulated as a dangerous good

IATA (International Air Transport Association): Not regulated as a dangerous good

ICAO (International Civil Aviation Organization): No data available

Transport in bulk according to Annex II of Not applicable for product as supplied

MARPOL 73/78 and the IBC Code:

49 CFR: Not regulated as a dangerous good. Not classified as dangerous in the meaning of transport regulations

15 REGULATORY INFORMATION

TSCA Inventory Status: No substances are subject to a Significant New Use Rule. No substances are subject to TSCA 12(b) export notification requirements.

DSCL (EEC): No data available

WHMIS (Canada): No data available

EU EINECS/ELINCS/NLP: No data available

China IECSC: No data available

China IECIC (06.30.2014): No data available

Australia AICS: No data available

EPCRA – Emergency Know Act:

Planning and No data available

Community Right to

CERCLA RQ: This material does not contain any components with a CERCLA Reportable Quantity. **SARA 304 EHS RQ:** This material does not contain any components with section 304 Extremely Hazardous Substances Reportable Quantity.

SARA 311/312 Hazards: No SARA Hazards

SARA 302: This material does not contain any components with a section 302 EHS TPQ. **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: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the US Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

This product does not contain any hazardous air pollutants (HAP), as defined by the US Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the US Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the US Clean Air Act Section 111 SOCM Intermediate or Final VOCs (40 CFR 60.489): Glycerin (CAS 56-81-5)

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

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

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

Massachusetts RTK: Glycerin (CAS 56-81-5)

Pennsylvania RTK: Glycerin (CAS 56-81-5)

Water (CAS 7732-18-5)

16 OTHER INFORMATION

Revision Date: 10/08/2020

Compliance: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the

company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.



Vitamin C (L-ascorbyl palmitate)

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / March Revision Date: 05-25-2015 Supersedes: 11-11-2013
26, 2012 / Rules and Regulation

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Vitamin C (L-ascorbyl palmitate) **Distributor:** MakingCosmetics.com Inc. **Synonyms:** **Address:**
10800 231st Way NE **INCI Name:** L-ascorbyl palmitate Redmond, WA 98053 (USA) **CAS Number:** 137-66-6 **Phone /**
Fax: 425-292-9502 / 425-292-9601 **Formula:** Not available **Web:** www.makingcosmetics.com **Product Form:**
Powder

Product Use: Cosmetic use **Emergency Telephone Number:** 1-800-424-9300 (Chemtrec) **2 HAZARDS IDENTIFICATION**

GHS Classification: Not classified

GHS Labeling: Not classified

GHS Hazard Pictograms: None

GHS Hazard Statements: None

GHS Precautionary Statements: None

Potential Health Hazards: Eyes: No known hazard.

Inhalation: May cause irritation of the respiratory tract.

Skin: No known hazard.

Ingestion: May cause gastrointestinal irritation.

NFPA Ratings (704): **Health** 1 Slight

Flammability 1 Slight

Reactivity 0 Minimal

Specific Hazard n/a

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component CAS No. Weight % Molecular Weight Vitamin C (L-ascorbyl palmitate) 137-66-6 100% 414.53 g/mol

4 FIRST AID MEASURES

Eyes: In case of eye contact, rinse with plenty of water and seek medical attention if necessary **Inhalation:** Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

Skin: Flush with plenty of water and wash using soap.

Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Special protective equipment & precautions for firefighters:

Specific hazards arising from the chemical:

May be combustible at high temperature. Auto-ignition temperature (660°C (1220°F)). Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water. Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. These products are carbon oxides (CO, CO₂). As with most powdered organic solids, fire is possible at elevated

temperatures or by contact with an ignition source.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:

See section 8 for recommendations on the use of personal protective equipment.



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Environmental precautions: Not available

Methods and material for containment and cleaning up:

Conditions for safe storage, incl. any incompatibilities:

See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use. Store in cool, dry well ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities).

7 HANDLING & STORAGE

Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

Precautions for safe handling:

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits Basis Entity Vitamin C (L-ascorbyl palmitate) Not available

TWA: Time Weighted Average over 8 hours of work.

TLV: Threshold Limit Value over 8 hours of work.

REL: Recommended Exposure Limit

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.

IDLH: Immediately Dangerous to Life or Health

WEEL: Workplace Environmental Exposure Levels

CEIL: Ceiling

Personal Protection:

Eyes: Not required, but wear chemical safety glasses or goggles.

Inhalation: Not needed under normal conditions of use.

Body: Slip proof shoes may be worn where spills may occur

Other: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling ⁹

PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State: Solid powder **Vapor Pressure:** Not available **Odor:** Almost odorless **Saponification Value:** Not available **Taste:** Not available **Bulk Density:** 0.24 g/cm³ **Color:** White to yellowish **Flammability:** Not available **Molecular Weight:** 414.53 g/mol **Peroxide Value:** Not available **pH** Not available **Solubility:** Insoluble in water. Soluble in oil **Boiling Point (decomp. temp)** Not available **Melting Point (decomp. temp)** 107-117°C (225-243°F) **Flash Point:** Not available **Specific Gravity:** Not available

10 STABILITY AND REACTIVITY

Reactivity: Product is stable

Chemical Stability: Product is stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: Avoid strong oxidizers

Incompatible Materials: No known

Hazardous Decomposition Products: No known

Special Remarks: None

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: LD50: 25000 mg/kg [Mouse]. Acute dermal toxicity (LD50): >3000 mg/kg [Guinea pig] **Skin:** Slightly hazardous in case of skin contact

Eyes: Slightly hazardous in case of eye contact

Respiratory: Slightly hazardous in case of inhalation

Ingestion: Slightly hazardous in case of ingestion

Carcinogenicity: Not available

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Germ Cell Mutagenicity: Not available

Embryotoxicity: Not available

Specific Target Organ Toxicity: Not available

Reproductive Toxicity: Not available

Special Remarks: Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: May cause eye irritation. Inhalation: May cause respiratory tract irritation. Ingestion: May cause gastrointestinal (digestive) tract irritation. May affect metabolism and urinary system. Chronic Potential Health Effects: no information found.

12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate: Not available

Aquatic Invertebrate: Not available

Terrestrial: Not available

Persistence and Degradability: Not available

Bioaccumulative Potential: Not available

Mobility in Soil: Not available

PBT and vPvB Assessment: Not available

Other Adverse Effects: Not available

13 DISPOSAL CONSIDERATIONS

Waste Residues: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. **Product Containers:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA): Not regulated

TDG (Transportation of Dangerous Goods, Canada): Not regulated

IMDG (International Maritime Dangerous Goods): Not regulated

IATA (International Air Transport Association): Not regulated

ICAO (International Civil Aviation Organization): Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status: TSCA 8(b) inventory: listed

DSCL (EEC): R36- Irritating to eyes. S2- Keep out of the reach of children. S46- If swallowed, seek medical advice immediately and show this container or label.

WHMIS (Canada): Not controlled under WHMIS (Canada)

16 OTHER INFORMATION

Revision Date: 05-25-2015

Compliance: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential,

arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

Vitamin E (dl-alpha tocopherol)

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules and Regulation Revision Date: 08-24-2015 Supersedes: 11-15-2012

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Vitamin E (dl-alpha tocopherol) **Distributor:** MakingCosmetics.com Inc. **Synonyms:** dl-alpha (all-rac-alpha) tocopheryl **Address:** 10800 231st Way NE **INCI Name:** dl-alpha tocopherol Redmond, WA 98053 (USA) **CAS Number:** 59-02-9 **Phone / Fax:** 425-292-9502 / 425-292-9601 **Formula:** C₂₉H₅₀O₂ **Web:** www.makingcosmetics.com **Product Form:** Liquid

Product Use: Cosmetic use **Emergency Telephone Number:** 1-800-424-9300 (Chemtrec) **2 HAZARDS IDENTIFICATION**

GHS Classification: Not classified

GHS Labeling: Not classified

GHS Hazard Pictograms: None

GHS Hazard Statements: None

GHS Precautionary Statements: None

Potential Health Hazards: Eyes: May be irritant.

Inhalation: Not expected to be irritant.

Skin: May be irritant.

Ingestion: May be irritant.

NFPA Ratings (704): **Health** 1 Slight

Flammability 1 Slight

Reactivity 0 Minimal

Specific Hazard n/a

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component CAS No. Weight % Molecular Weight dl-alpha tocopherol 59-02-9 100% 430.71 g/mol

4 FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.

Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

Skin: Wash off skin with soap and water. Get medical attention if irritation develops or persists. **Ingestion:** Give large quantities of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Special protective equipment & precautions for firefighters:

Dry chemical, foam, carbon dioxide, water spray. Water stream may splash burning liquid and spread fire.

Flash Points: 93 °C (199 °F)

Specific hazards arising from the chemical: Not available.

Firefighters should wear full firefighting turn-out gear (full Bunker gear) including NIOSH approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

emergency procedures:

See section 8 for recommendations on the use of personal protective equipment.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment &



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Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate surface water.

Methods and material for containment and cleaning up:

Conditions for safe storage, incl. any incompatibilities:

Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place.

7 HANDLING & STORAGE

Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Prevent entry into waterways, sewers, basements or confined areas. Vacuum or sweep up material and place in a disposal container. Avoid dust formation.

Precautions for safe handling:

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits Basis Entity dl-alpha tocopherol Data unavailable

Eyes: Wear safety glasses

TWA: Time Weighted Average over 8 hours of work.

TLV: Threshold Limit Value over 8 hours of work.

REL: Recommended Exposure Limit

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.

IDLH: Immediately Dangerous to Life or Health

WEEL: Workplace Environmental Exposure Levels

CEIL: Ceiling

Personal Protection:

Inhalation: In case of open handling of larger quantities wear particle mask or respirator.

Body: Wear protective gloves.

Other: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State: Liquid **Vapor Pressure:** Undetermined **Odor:** Faint odor **Vapor Density:** Undetermined **Taste:** Not available **Evaporation Rate:** Estimated slower than ethyl ether **Color:** Clear to brown **Flammability:** Undetermined **Molecular Weight:** 430.71 g/mol **Explosive Limits:** Undetermined **pH (1% sol. in water)** Undetermined **Solubility:** Insoluble in water, soluble in

Boiling Point: 200°C (392°F)

Melting Point: 26°C (79°F)

Flash Point: 93°C (199°F)

Specific Gravity: 0.98 g/ml

Carbon dioxide, carbon monoxide

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Acute oral toxicity undetermined

Skin: None known

Eyes: May cause irritation

Respiratory: None known

10 STABILITY AND REACTIVITY

Reactivity: Product is stable under normal conditions **Chemical Ingestion:** None known

Stability: Product is stable under normal conditions **Hazardous Carcinogenicity:** Not available

Polymerization: Will not occur

Teratogenicity: Not available

Conditions to Avoid: Undetermined

Germ Cell Mutagenicity: Not available

Incompatible Materials: May react with strong oxidizing agents alcohol, miscible with ether or acetone. and strong alkalis **Hazardous Decomposition Products:**



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Embryotoxicity: Not available
Specific Target Organ Toxicity: Not available
Reproductive Toxicity: Not available
Respiratory/Skin Sensitization: Not available

12 ECOLOGICAL INFORMATION

Ecotoxicity
Aquatic Vertebrate: Not available
Aquatic Invertebrate: Not available
Terrestrial: Not available
Persistence and Degradability: Not available
Bioaccumulative Potential: Not available
Mobility in Soil: Not available
PBT and vPvB Assessment: Not available
Other Adverse Effects: Not available

13 DISPOSAL CONSIDERATIONS

Waste Residues: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. **Product Containers:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA): Not regulated
TDG (Transportation of Dangerous Goods, Canada): Not regulated
IMDG (International Maritime Dangerous Goods): Not regulated
IATA (International Air Transport Association): Not regulated
ICAO (International Civil Aviation Organization): Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status: Listed as dl-alpha (all-rac-alpha) tocopheryl.

DSCL (EEC): This product is not classified according to the EU regulations. Not applicable. **WHMIS**

(Canada): Not controlled under WHMIS (Canada)

16 OTHER INFORMATION

Revision Date: 08-24-2015

Compliance: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.