

## BASE Material Safety Data Sheet



### 1. PRODUCT AND COMPANY IDENTIFICATION

Product: (D1001)\_DP gel base

Supplier: Henan Yitong Technology Corporation

Synonym: Base/gel base

Material Uses: Nail modification

Tel: \_\_\_\_\_

FFAX: \_\_\_\_\_

### 2. HAZARDS ID HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

- Eye Irritation, Category 2
- Skin Irritation, Category 2
- Respiratory Tract Irritation, Category 3

#### GHS LABEL ELEMENTS



Exclamation  
mark

#### HAZARD STATEMENTS

- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

- P271: Use only outdoors or in a well-ventilated area.
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### Response:

- 2783BK66: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of reach of children.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P313: Get medical advice/attention.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P312: Call a POISON CENTER or doctor/physician if you feel unwell.
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P362: Take off contaminated clothing and wash before reuse.

##### Storage:

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

**Disposal:**

7944L5O1: Dispose of in a manner consistent with federal, state, and local regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Clear, Colorless liquid

**IMMEDIATE CONCERNS:** R36/37/38: Irritating to eyes, respiratory system and skin.

**POTENTIAL HEALTH EFFECTS**

**EYES:** R36: Irritating to eyes.

**SKIN:** May cause skin irritation. Allergic reactions are possible.

**INGESTION:** Adhesive becomes solid in contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Not a toxic product.

**INHALATION:** R37: Irritating to respiratory system.

**MEDICAL CONDITIONS AGGRAVATED:** Not a likely route of exposure.

**ROUTES OF ENTRY:** Inhalation & ingestion are major routes of entry.

**CANCER STATEMENT:** Not Applicable.

**IRRITANCY:** Irritating to eyes, respiratory system and skin.

**SENSITIZATION:** May cause allergic skin reaction.

**3. COMPOSITIONAL INFORMATION**

Ingredient Name	CAS Number	WT/WT%	ACGIH	OSHA	OTHER LIMITE
Ethyl-2-Cyanoacrylate	7085-85-0	98. _99.5	450ppm	450ppm	NE
Tocopheryl acetate	7659-91-2	0.001-0.8	NE	NE	NE
Calcium pantothenate	137-08-6	0.001-0.8	NE	NE	NE
Vitamin E	10191-41-0	0.001-0.8	NE	NE	NE

**4. FIRST AID MEASURES**

Ingestion	Peel or roll skin apart. Adhesive becomes solid in contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Avoid swallowing solid adhesive after detachment. Not a toxic product.
Skin	Wash with soap and water. Peel or roll skin apart.
Eyes	Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
Eat	Get immediate medical attention and show container/card information.
Inhalation	Remove to fresh air. Prolonged or repeated elevated exposure may cause allergic reactions with asthma-like symptoms in sensitive individuals.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

Eyes	Causes eye irritation.
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Skin	Substance causes moderate skin irritation.
Skin ABSORPTION	Adhesive becomes solid in contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Not a toxic product.
Ingestion	Wash with soap and water. Get medical attention if irritation develops or persists.
Inhalation	Prolonged or excessive inhalation may cause respiratory tract irritation.
Acute Toxicity	Avoid exposure to vapor concentration in confined areas.
Chronic Effects	Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

#### 5. FIRE FIGHTING MEASURES

Extinguishing Media	Use dry chemical extinguisher or flush with large amounts of water.
General Hazard	Combustible liquid and vapor. Product polymerized to solid by water.
Fire Fighting Equipment	As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.
Hazardous Decomposition Producta	Combustible by-products of carbon monoxide/dioxide.

#### 6. ACCIDENTAL RELEASE MEASURES

Small Spill:	Polymerize with water. Solid material may be scraped from surface.
Large Spill:	Polymerize with water. Increase ventilation to area. Solid material may be scraped from surface.

#### ENVIRONMENTAL PRECAUTIONS

Water Spill	None known
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#### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Use with adequate ventilation. Avoid contact with eyes, skin and clothing.

**HANDLING:** Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes and clothing. Keep container closed when not in use.

**STORAGE:** Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition.

**STORAGE TEMPERATURE:** Ideal storage: 41-50F (5-10C)

**SHELF LIFE:** One year from the date of shipment

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use only in a well ventilated area. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**SKIN:** S36/37: Wear suitable protective clothing and gloves.

**RESPIRATORY:** Use only in a well-ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment.

**WORK HYGIENIC PRACTICES:** S24/25: Avoid contact with skin and eyes. Wash thoroughly after handling. Avoid contact with clothing as contact can cause burn.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical: Clear liquid.	Odor: Characteristic odor,intensely irritating	Appearance Transparent,colorless liquid
Percent Volatile: <25a/l	Flashpoint And Method:82 °C (182 °F )Cc-Closed Cup	Vapor Pressure (mm Hg): 1 20°C

**VAPOR DENSITY:** Not Established

**BOILING POINT:** 185°C (365°F)

**SOLUBILITY IN WATER:** Insoluble

**EVAPORATION RATE:** Not Established

**SPECIFIC GRAVITY:** 1.05

**VISCOSITY #1:** 80 to 120 Centipoise at 22°C (72°F)

**(VOC):** < 20.000 g/L

**10. STABILITY AND REACTIVITY**

<b>Stable:</b> yes	<b>Hazardous Polymerization:</b> No
<b>Incompatible materials:</b>	Acids,alkaline material, amines,strong oxidizing agents.
<b>Conditions to avoid:</b>	Avoid temperatures above 176°F (80°C). moisture and alkalines.
<b>Hazardous decomposition products:</b>	Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition. Oxides of nitrogen and probably hydrogen cyanide are also possible.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE**

**DERMAL LD<sub>50</sub>:** > 2000 mg/kg

**Notes:** (Estimated)

**ORAL LD<sub>50</sub>:** > 5000 mg/kg

**Notes:** (Estimated)

**INHALATION LC<sub>50</sub>:** Vapors may be irritating. Recommended TWA 0.2ppm.

**EYE EFFECTS:** Bonds skin and eyes in seconds. Eye irritant.

**SKIN EFFECTS:** Irritating to skin. May cause allergic skin reaction with prolonged contact.

**SENSITIZATION:** Possible skin sensitizer.

**12. ECOLOGICAL INFORMATION**

None known

### 13. DISPOSAL CONSIDERATIONS

Dispose Method :

Polymerize with water to a solid material.

Dispose of as solid waste or trash in accordance with local government regulations of the region.

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not restricted

#### ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not restricted

#### AIR (ICAO/IATA)

SPECIAL PROVISIONS: Not regulated (less than 500 mL). UN3334, AVIATION REGULATED LIQUID, N.O.S. (ETHYL CYANOACRYLATE), 9.

#### VESSEL (IMO/IMDG)

SHIPPING NAME: Not restricted

#### CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not restricted

### 15. REGULATORY INFORMATION

#### UNITED STATES

##### TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

CALIFORNIA PROPOSITION 65: Not Applicable.

#### CANADA

##### WHMIS HAZARD SYMBOL AND CLASSIFICATION



Combustible  
Liquid



Toxic

Class B3 - Combustible, D2B - Irritant.

### 16. OTHER INFORMATION

APPROVED BY: Mary Robles TITLE: Regulatory Affairs Manager

REVISION SUMMARY: This MSDS replaces the 12/17/2013 MSDS. Revised: Section 14: AIR (ICAO/IATA) ( SPECIAL PROVISIONS ).

### 17. annex

#### ● 17.1

Module 1. Chemicals

1.1 Product identifier

: 2-cyanoacrylate

product name

## 1.2 Other methods of identification

No data available

## 1.3 The use of the identified substances or mixtures and recommendations are not suitable for use

Only for research and development. Not as a drug, family or other use.

## Module 2. Overview of Hazards

### 2.1 GHS-Classification

Flammable liquids (category 4)

Skin irritation (category 2)

Eye irritation (category 2A)

Specific target organ toxicity (one exposure) (category 3), respiratory system

### 2.2 GHS Marking elements, including proactive statements

Pictograms

Warning word warning

Danger statement

H227 Flammable liquid

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Warning statement

Precaution

P210 away from heat, sparks, open flames and hot surfaces. - No smoking.

P261 Avoid inhalation of dust / smoke / gas / smoke / vapor / spray.

P264 After operation, thoroughly clean the skin.

P271 can only be used outdoors or in a well-ventilated area.

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

Accident response

P302 + P352 For contact with skin: rinse with plenty of water.

P304 + P340 If inhaled: Move victim to fresh air and keep breathing comfortable in a resting position.

P305 + P351 + P338 In case of contact with eyes, rinse gently with water for several minutes. Such as wearing contact lenses and can be easily taken

Out, remove contact lenses, and then continue to rinse.

P312 If you feel unwell, call the poison control center or doctor.

P321 specific disposal (see the first aid instructions provided on this label).

P332 + P313 If you feel skin irritation: seek medical treatment / treatment.

P337 + P313 If you still feel eye irritation: seek medical treatment / treatment.

P362 + P364 take off the stained clothes, clean before re-use.

P370 + P378 In the event of a fire: extinguish with dry sand, dry powder or anti-soluble foam.

Safe storage

P403 + P233 stored in a well ventilated place. Keep the container closed.

P403 + P235 Keep low temperature and store in a well ventilated area.

P405 storage place to be locked.

Disposal



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P501 Dispose of contents / containers to approved waste treatment plants.

### 2.3 Other hazards

Tear, stench

## Module 3. Composition / composition information

### 3.1 substance

: C<sub>6</sub>H<sub>7</sub>NO<sub>2</sub>

Molecular formula

: 125.13 g / mol

Molecular weight

Component concentration or concentration range

Ethyl 2-cyanoacrylate

<= 100%

Chemical Abstracts Registry Number (CAS 7085-85-0

No. 230-391-5

EC-No. 607-236-00-9

Index number

## Module 4. First aid measures

### 4.1 Description of the necessary first aid measures

General advice

Consult a doctor. Present this safety technician to the doctor at the site.

Inhalation

If inhaled, move the patient to fresh air. Such as breathing to stop, artificial respiration. Consult a doctor.

skin contact

Wash with soap and plenty of water. Consult a doctor.

eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a doctor.

Ingestion

Do not allow vomiting. Do not give anything to the unconscious by the mouth. Rinse with water. Consult a doctor.

### 4.2 Major symptoms and effects, acute and delayed effects

Cough, shortness of breath, headache, nausea, vomiting, damage to eyes

### 4.3 Timely medical treatment and instructions and instructions for special handling required

No data available

## Module 5. Fire protection measures

### 5.1 Extinguishing media

Fire fighting methods and extinguishing agents

Fire with water mist, anti-ethanol foam, dry powder or carbon dioxide.

### 5.2 Special hazards arising from this substance or mixture

Carbon oxides, nitrogen oxides

### 5.3 advice to firefighters

If necessary, wear self-contained breathing apparatus to fire.

#### 5.4 Further information

Fill the unopened container with water.

### Module 6. leak emergency treatment

#### 6.1 Protective measures for workers, protective equipment and emergency procedures

Use personal protective equipment. Avoid inhalation of vapor, smoke or gas. To ensure adequate ventilation.

Remove all fire sources.

Personnel evacuated to a safe area. Beware of the accumulation of steam to reach the explosive concentration. Steam can accumulate in low temperature.

#### 6.2 Environmental protection measures

If safety is ensured, measures may be taken to prevent further leakage or spillage. Do not let the product enter the sewer.

#### 6.3 Leakage of chemicals, removal methods and disposal materials used

Containment spill, collect the spill with an anti-electric vacuum cleaner or wet brush and place it in a container and handle it according to local regulations (see Section 13

Minute). Placed in a suitable closed container to be treated.

#### 6.4 refer to other parts

For disposal, see Section 13.

### Module 7. Handling and storage

#### 7.1 Precautions for safe operation

Avoid contact with skin and eyes. Avoid inhalation of steam and smoke.

Do not touch the fire. -No smoking. Take measures to prevent static buildup.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container closed and stored in dry and ventilated place.

Recommended storage temperature: 2 - 8 ° C

The product is sensitive to light and moisture.

#### 7.3 Specific use

No data available

### Module 8. Exposure controls and individual protection

#### 8.1 Allowable concentration

Maximum allowable concentration

#### 8.2 Exposure controls

Appropriate technical control

According to good industrial hygiene and safety practices. Wash hands before rest and at the end of work.

Personal protective equipment

Eye / face protection

Safety glasses with protective shields EN166 Compliant Please use official standards such as NIOSH (US) or EN 166 (EU)

Detection and approval of the equipment to protect the eye.

Skin protection



Wear gloves must be checked before use.

Please use the appropriate method to remove the gloves (do not touch the external surface of the gloves), to avoid any skin parts contact with this product.

After use, please treat the contaminated gloves in accordance with the relevant laws and regulations and effective laboratory procedures. Please clean and dry hands

The protective gloves selected must comply with the EU Directive 89/686 / EEC and the EN 376 standard derived from it.

Physical protection

The type of protective equipment, protective equipment must be selected according to the concentration and quantity of hazardous substances in a particular workplace.

Respiratory protection

If the risk assessment shows the need to use air purification of gas masks, please use the full-cover multi-functional gas mask (US) or ABEK type

(EN

14387) Gas mask as a candidate for engineering control. If the gas mask is the only way to protect it, use a full cover air blow

Toxic mask. Respirators use tested respirators and parts through government standards such as NIOSH (US) or CEN (EU).

## Module 9. Physical and chemical properties

### 9.1 Basic physical and chemical characteristics of the information

#### A) appearance and traits

Shape: liquid

Color: colorless

#### B) Odor

Irritating

#### C) Odor threshold

No data available

#### D) pH

No data available

#### E) Melting point / freezing point

Melting point / freezing point: -31 ° C

#### F) Boiling point, initial boiling point and boiling range

About 214 ° C at 1,003 hPa

#### G) flash point

85 ° C - closed cup

#### H) Evaporation rate

No data available

#### I) Flammability (solid, gas)

No data available

#### J) High / low burnability or explosive limits No data available

#### K) vapor pressure

<= 0.21 hPa at 20 ° C

L) steam density

No data available

M) density / relative density

1.040 g / cm<sup>3</sup>

N) water solubility

0.00002 g / l at 20 ° C - insoluble

O) n-octanol / water partition coefficient

Octanol - water partition coefficient of the logarithm: 1.42

P) Autoignition temperature

480 ° C at 1,013 hPa

Q) decomposition temperature

No data available

R) viscosity

No data available

#### Module 10. Stability and reactivity

##### 10.1 Reactivity

No data available

##### 10.2 Stability

No data available

##### 10.3 Hazardous reactions

No data available

##### 10.4 Conditions to be avoided

Hot, flame and spark.

##### 10.5 incompatible substances

Reducing agents, water, amines, alcohols, alkali metals, oxidizing agents

##### 10.6 Hazardous decomposition products

Other decomposition products - no data available

#### Module 11. Toxicological information

#### Carcinogenicity

##### IARC:

There are no human carcinogens in this product that are greater than or equal to 0.1% of the components identified by IARC as possible or affirmative.

##### Reproductive toxicity

No data available

##### Specific target organ toxicity (one exposure)

No data available

##### Specific target organ toxicity (repeated exposure)

No data available

##### Risk of inhalation

No data available

##### Potential health effects

Inhalation may be harmful. Causing respiratory irritation.

It is harmful if ingested.

Skin absorption through the skin may be harmful. Causes skin irritation.

Eyes cause serious eye irritation.

##### Symptoms and symptoms after exposure

Cough, shortness of breath, headache, nausea, vomiting, damage to eyes

##### Additional information

Chemical substance toxicity registration: UD3330000

#### Module 12. Ecological information

##### 12.1 Ecotoxicity

No data available

##### 12.2 Persistence and degradability

No data available

##### 12.3 Potential bioaccumulation

No data available

##### 12.4 Mobility in soil

No data available

##### 12.5 Evaluation of PBT and vPvB results

No data available

##### 12.6 Other adverse effects

No data available

#### Module 13. Disposal of disposal

##### 13.1 Waste treatment methods

###### product

This explosive product can be burned in a chemical incinerator with post-combustion and scrubbing

Leave the remaining and non-recyclable solutions to a licensed company.

###### Contaminated containers and packaging

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Dispose of in unused product.

Module 14. Transport information

14.1 United Nations Dangerous Goods Number

European land transport regulations: - International Maritime Hazard: - International Air Transport Hazard:

-

14.2 United Nations transport name

European land transport regulations: non - dangerous goods

International Maritime Hazard: Non - Dangerous Goods

International air transport regulations: non - dangerous goods

14.3 Transport hazard categories

European land transport regulations: - International Maritime Hazard: - International Air Transport Hazard:

-

14.4 package group

European land transport regulations: - International Maritime Hazard: - International Air Transport Hazard:

-

14.5 Environmental hazards

European land transport regulations: No international maritime pollution regulations International air transport regulations: No

Marine pollutants (yes / no): No

14.6 Special reminders for users

No data available

Module 15 - Regulatory information

N / A

Module 16 - Additional Information

N / A

● 17.2

1.1 Product identifier

: DL- $\alpha$ -tocopherol acetate

product name

1.2 Other methods of identification

All-rac- $\alpha$ -Tocopheryl acetate

Vitamin E acetate

1.3 The use of the identified substances or mixtures and recommendations are not suitable for use

For scientific use only, not as a drug, family medicine or other purposes.

Module 2. Overview of Hazards

2.1 Classification of GHS

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According to the Global Harmonized System of Classification and Labeling of Chemicals (GHS), it is not a hazardous substance or mixture.

2.3 Other hazards - none

### Module 3. Composition / composition information

#### 3.1 substance

: All-rac- $\alpha$ -Tocopheryl acetate

Alias

Vitamin E acetate

: C31H52O3

Molecular formula

: 472.74 g / mol

Molecular weight

no

### Module 4. First aid measures

#### 4.1 Description of the necessary first aid measures

Inhalation

If inhaled, move the patient to fresh air. If you stop breathing, give artificial respiration.

skin contact

Wash with soap and plenty of water.

eye contact

Rinse eyes with water as a precaution.

Ingestion

Do not give anybody who loses consciousness from the mouth. Rinse with water.

#### 4.2 Major symptoms and effects, acute and delayed effects

#### 4.3 Timely medical treatment and instructions and instructions for special handling required

No data available

### Module 5. Fire protection measures

#### 5.1 Extinguishing media

Fire fighting methods and extinguishing agents

Fog with water mist, alcohol-resistant foam, dry powder or carbon dioxide.

#### 5.2 Special hazards arising from this substance or mixture

Carbon oxides

#### 5.3 advice to firefighters

If necessary, wear self-contained breathing apparatus to fire.

#### 5.4 Further information

No data available

### Module 6. leak emergency treatment

#### 6.1 Personnel prevention, protective equipment and emergency procedures

Prevent inhalation of steam, aerosols or gases.

#### 6.2 Environmental protection measures

No special environmental precautions.

#### 6.3 Methods and materials for the suppression and removal of spills

Stored in the appropriate closed container to be processed.

#### 6.4 refer to other parts

For disposal, see Section 13.

### Module 7. Handling and storage

#### 7.1 Precautions for safe operation

No data available

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. The container remains closed and stored in a dry and ventilated place.

Recommended storage temperature: 2 - 8 ° C

#### 7.3 Specific use

No data available

### Module 8. Exposure controls and individual protection

#### 8.1 Allowable concentration

Maximum allowable concentration

There is no known national exposure limit.

#### 8.2 Exposure controls

Appropriate technical control

Conventional industrial hygiene operations.

Personal protective equipment

Eye / face protection

Please use the official standard such as NIOSH (USA) or EN 166 (EU) to inspect and approve the equipment to protect the eye.

Skin protection

Wear gloves must be checked before use.

Please use the appropriate method to remove the gloves (do not touch the external surface of the gloves), to avoid any skin parts contact with this product.

After use, please treat the contaminated gloves in accordance with the relevant laws and regulations and effective laboratory procedures. Please clean and dry hands

The protective gloves selected must comply with the EU Directive 89/686 / EEC and the EN 376 standard derived from it.

Physical protection

The type of protective equipment, protective equipment must be selected according to the concentration and content of hazardous substances in a particular workplace.

Respiratory protection

Do not need to protect the respiratory system. For small amounts of volatile please use the US OV / AG (US) standard type or European ABEK (EU EN

14387) Standard type of respirator filter.

Respirators use tested respirators and parts through government standards such as NIOSH (US) or CEN (EU).



## Module 9. Physical and chemical properties

### 9.1 Basic physical and chemical characteristics of the information

#### A) appearance and traits

Shape: liquid

#### B) Odor

No data available

#### C) Odor threshold

No data available

#### D) pH

No data available

#### E) Melting point / freezing point

No data available

#### F) starting boiling point and boiling range

224 ° C at 0.4 hPa

#### G) flash point

> 113.00 ° C - closed cup

#### H) Evaporation rate

No data available

#### I) Flammability (solid, gas)

No data available

#### J) High / low burnability or explosive limits No data available

#### K) vapor pressure

No data available

#### L) steam density

No data available

#### M) relative density

0.96 g / mL at 20 ° C

#### N) water solubility

No data available

#### O) n-octanol / water partition coefficient

No data available

#### P) Autoignition temperature

No data available

#### Q) decomposition temperature

No data available

#### R) viscosity

No data available

## Module 10. Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to be avoided

No data available

10.5 incompatible materials

Strong oxidants

10.6 Hazardous decomposition products

Other decomposition products - no data available

Module 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No data available

Skin irritation or corrosion

No data available

Eye irritation or corrosion

No data available

Respiratory or skin irritation

No data available

Germ cell mutations

No data available

Carcinogenicity

IARC:

There are no human carcinogens in this product that are greater than or equal to 0.1% of the components identified by IARC as possible or affirmative.

Reproductive toxicity

No data available

Specific target organ toxicity (one exposure)

No data available

Specific target organ toxicity (repeated exposure)

No data available

Risk of inhalation

No data available

Potential health effects

Inhalation may be harmful. May cause respiratory irritation.

It is harmful if ingested.

If the skin is absorbed through the skin it may be harmful. May cause skin irritation.

Eyes may cause eye irritation.

Additional information

Chemical Substance Toxicity Registration: No data available

Module 12. Ecological information

12.1 Ecotoxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Potential bioaccumulation

No data available

12.4 Mobility in soil

No data available

12.5 Evaluation of PBT and vPvB results

No data available

12.6 Other adverse effects

No data available

Module 13. Dispose of disposal

13.1 Waste treatment methods

product

The remaining and non-recovered solutions are handed over to the treatment company.

Contaminated containers and packaging

Dispose of as unused product.

Module 14. Transport information

14.1 United Nations Dangerous Goods Number

European land transport regulations: - International Maritime Hazard: - International Air Transport Hazard: -

14.2 Name of the United Nations (UN)

European land transport regulations: non - dangerous goods

International Maritime Hazard: Non - Dangerous Goods

International air transport regulations: non - dangerous goods

14.3 Transport hazard categories

European land transport regulations: - International Maritime Hazard: - International Air Transport Hazard: -

14.4 package group

European land transport regulations: - International Maritime Hazard: - International Air Transport Hazard: -

14.5 Environmental hazards

European land transport regulations: No international maritime pollution regulations Marine pollutants: No international air transport Hazard: No

14.6 Special reminders for users

No data available

Module 15 - Regulatory information

N / A

Module 16 - Additional Information

● 17.3

Name: D-(+)-Pantothenic Acid Calcium Salt Material Safety Data Sheet

Synonym:Dextrocalcium Pantothenate; Pantothenate Calciu

CAS: 137-08-6

**Section 1 - Chemical Product** MSDS Name:D-(+)-Pantothenic Acid Calcium Salt Material Safety Data Sheet

Synonym:Dextrocalcium Pantothenate; Pantothenate Calciu

**Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS**

CAS#	Chemical Name	content	EINECS#
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137-08-6	DIHYDROXYDIMETHYLOXOBU	100.0	205-278-9
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Hazard Symbols: None Listed.

Risk Phrases: None Listed.

**Section 3 - HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW

Light sensitive.Air sensitive.Moisture sensitive.

Potential Health Effects

Eye:

Contact may cause transient eye irritation.

Skin:

May cause skin irritation. Low hazard for usual industrial handling.

Ingestion:

May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Low hazard for usual industrial handling.

Inhalation:

May cause respiratory tract irritation. Low hazard for usual industrial handling.

Chronic:

No information found.

**Section 4 - FIRST AID MEASURES**

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Ingestion:

Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Get medical aid if irritation or symptoms occur.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician:

#### **Section 5 - FIRE FIGHTING MEASURES**

##### General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

##### Extinguishing Media:

Use agent most appropriate to extinguish fire. Do NOT get water inside containers. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

#### **Section 6 - ACCIDENTAL RELEASE MEASURES**

General Information: Use proper personal protective equipment as indicated in Section 8.

##### Spills/Leaks:

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation. Do not get water inside containers.

#### **Section 7 - HANDLING and STORAGE**

##### Handling:

Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Avoid contact with air and sunlight. Keep from contact with moist air and steam.

##### Storage:

Do not store in direct sunlight. Keep refrigerated. (Store below 4°C/39°F.) Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture. Store protected from light and air.

#### **Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

##### Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 137-08-6: Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

##### Skin:

Wear appropriate protective gloves to prevent skin exposure.

##### Clothing:

Wear appropriate protective clothing to prevent skin exposure.

##### Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

#### **Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Solid

Color: white

Odor: none reported

pH: 7.2-8.0, 5% solution

Vapor Pressure: Negligible.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 195 deg C

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: Not available.

Solubility in water: Soluble in water.

Specific Gravity/Density: Not available.

Molecular Formula: (C9H16NO5)2Ca

Molecular Weight: 476.3114

#### **Section 10 - STABILITY AND REACTIVITY**

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

High temperatures, incompatible materials, light, dust generation, exposure to air, excess heat, exposure to moist air or water.

Incompatibilities with Other Materials:

Oxidizing agents.

Hazardous Decomposition Products:

Carbon monoxide, oxides of nitrogen, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Has not been reported.

#### **Section 11 - TOXICOLOGICAL INFORMATION**

Carcinogenicity:

DIHYDROXYDIMETHYLOXOBU - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

#### **Section 12 - ECOLOGICAL INFORMATION**

#### **Section 13 - DISPOSAL CONSIDERATIONS**

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.



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**Section 14 - TRANSPORT INFORMATION**

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

**Section 15 - REGULATORY INFORMATION**

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 28A After contact with skin, wash immediately with plenty of water.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 137-08-6: 0

Canada

CAS# 137-08-6 is listed on Canada's DSL List.

CAS# 137-08-6 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 137-08-6 is listed on the TSCA inventory.

**SECTION 16 - ADDITIONAL INFORMATION**

N/A

● 17.4

Module 1. Chemicals

Product Name: DL- $\alpha$ -Tocopherol

Modify number: 5

Module 2. Overview of Hazards

Classification of GHS

Physical hazards are not classified

Health hazards are not classified

Environmental hazards are not classified

GHS tag elements

Icon or hazard mark

Signal word No signal word

Danger Description None

Precautionary statement None

#### Module 3. Composition / composition information

Single substance / mixture A single substance

Chemical name (Chinese name): DL -  $\alpha$  - tocopherol

Percentage:> 96.0% (GC)

CAS Code: 10191-41-0

Common name: Vitamin E

Molecular formula: C<sub>29</sub>H<sub>50</sub>O<sub>2</sub>

#### Module 4. First aid measures

Inhalation: Move the victim to fresh air and keep breathing smooth and rest. Please feel free to ask for medical treatment.

Skin contact: Immediately remove / remove all contaminated clothing. Wash your skin with water / shower.

If skin irritation or rash occurs: seek medical attention / treatment.

Eye contact: Carefully clean with water for a few minutes. If convenient, easy to operate, remove contact lenses. Continue cleaning.

If eye irritation: seek medical attention / treatment.

Ingestion: If you feel discomfort, seek medical advice / treatment. gargle.

Emergency Rescue: Rescuers need to wear personal protective equipment, such as rubber gloves and airtight goggles.

#### Module 5. Fire protection measures

Suitable extinguishing media: dry powder, foam, carbon dioxide

Not applicable fire extinguishing agent: water (it is possible to expand the disaster.)

DL- $\alpha$ -tocopherol modification number: 5

#### Module 5. Fire protection measures

Specific method: fire from the upper wind, according to the surrounding environment to choose the appropriate fire fighting method.

Unrelated persons should be evacuated to a safe place.

Surrounded by fire: If safe, remove the removable container.

Special protective equipment for firemen: When extinguishing fire, be sure to wear personal protective equipment.

#### Module 6. Leakage emergency treatment

Personal protective measures, protective equipment, the use of personal protective equipment. Keep away from spillage / leaks and at the upper air. Ensure adequate ventilation.

Emergency measures: the leak area should be used to loop together to control non-related personnel to enter.

Environmental protection measures: to prevent access to sewers.

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Control and cleaning methods and materials: Use a suitable absorbent (eg old cloth, dry sand, soil, sawdust) to absorb the spill. Once a lot of leakage, embankment control system. Attachments or collections should be disposed of immediately according to appropriate laws and regulations.

#### Module 7. Handling and storage deal with

Technical measures: handling in a well-ventilated area. Wear suitable protective equipment. Prevent smoke generation. Wash your hands thoroughly after handling

And face.

Note: If the vapor or aerosol generated, the use of ventilation, local exhaust.

Handling Precautions: Avoid contact with skin, eyes and clothing.

#### Storage

Storage conditions: keep the container closed. Store in a cool, dark place.

Stored in an inert gas atmosphere.

Keep away from incompatible materials such as oxidants.

Photosensitive, gas sensitive

Packaging materials: according to the law.

#### Module 8. Exposure controls and individual protection

Engineering control: install as much as possible closed system or local exhaust system, the operator should not be in direct contact. While installing shower and washing

Eyebrows.

Personal protective equipment

Respiratory protection: gas masks. According to local and government regulations.

Hand protection: protective gloves.

Eye protection: safety goggles. If necessary, wear a mask.

Skin and body protection: Protective clothing. Wear protective boots if necessary.

#### Module 9. Physical and chemical properties

liquid

Outline (20 ° C):

Appearance: transparent

Color: yellow - brown

Odor: Almost tasteless

PH: no data available

Melting point: 4 ° C

Boiling point / boiling range of 220 ° C / 0.01kPa

Flash point: 240 ° C

Explosion characteristics

Lower explosion limit: no information available

Upper limit of explosion: no information available

Density: 0.95

Solubility:

[Water] is insoluble

DL- $\alpha$ -tocopherol modification number: 5

#### Module 9. Physical and chemical properties

[Other solvents]

Soluble in: ethanol

Soluble in: ether, acetone, chloroform

#### Module 10. Stability and reactivity

Chemical stability: stable in general.

Possibility of hazardous reactions: No specific reactivity reported.

Avoid contact with the substance oxidant

Hazardous decomposition products: carbon monoxide, carbon dioxide

#### Module 11. Toxicological information

Acute toxicity: no information available

Corrosive or irritating to skin: No information available

Serious damage or irritation to eyes: No information available

Carcinogenicity:

IARC = no information available

NTP = no information available

Reproductive toxicity: No information available

RTECS Number: GA8746000

#### Module 12. Ecology Information

Ecotoxicity:

Fish: No information available

Crustacean: no information available

Algae: No information available

Residual / degradability: Not available

Potential bioaccumulation (BCF): Not available

Soil mobility

Log water partition coefficient: no information available

Soil absorption coefficient (Koc): Not available

Henry's Law No information available

Constant (PaM3 / mol):

#### Module 13. Dispose of disposal

If possible, recycling processing. Please consult your local authorities. It is recommended to burn in a chemical incinerator equipped with a post-combustion and washing device. Observe the disposal

National, regional and local regulations.

Module 14. Transport information

United Nations classification: inconsistent with United Nations classification criteria

UN number: not specified

Module 15. Regulatory information

Regulations on the Safety Management of Dangerous Chemicals (issued by the State Council on 26 January 2002, revised on 16 February 2011): In view of the safe use of hazardous chemicals,

Production, storage, transportation, handling and other aspects are made the corresponding provisions.

DL- $\alpha$ -tocopherol modification number: 5

Module 16 - Additional Information

N / A