

# MATERIAL SAFETY DATA SHEET



Trade name: E+

Date revised: 01.03.2025

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

E+

### 1.2. Details of the supplier of the safety data sheet Address/Supplier

Daejin Global Co., Ltd

467 Shinhyeon-ro, Siheung-si, Gyeonggi-do 14959 Rep of Korea

### 1.3. Emergency telephone number

During regular office hours 031-435-8746; all other times call your local Poison Control Center.

## SECTION 2: Hazards identification

### 2.1. Emergency overview

Vapor is irritating to eyes, skin and mucous membranes and respiratory tract.

### 2.2. Hazard statements

H315 Causes skin irritation  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation

### 2.3. Precautionary statements

P261.9 Avoid breathing vapours/spray  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P304+P340  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTRE or doctor if you feel unwell  
P501.A Dispose of waste according to applicable legislation

### 2.4. Potential environmental effects

Not available

### 2.5. Sign and symptoms of exposure

Vapor is irritating to eyes and mucous membranes above TLV. Prolonged and repeated over exposure to vapors may cause symptoms of non-allergic asthma in sensitive individuals.

### 2.6. Existing conditions aggravated by exposure

None Known

### 2.7. Label elements

#### Hazard pictograms



#### Signal word

Warning

# MATERIAL SAFETY DATA SHEET



Trade name: E+

Date revised: 01.03.2025

## 2.8. Other hazards

No special hazards have to be mentioned.

This product does not contain a substance that has endocrine disrupting properties with respect to human.

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## SECTION 3: Composition/information on ingredients

COMPONENT	CAS. NO	EINCI. NO	% BY WEIGHT(APPROX.)
Ethyl 2-Cyanoacrylate	7085-85-0	230-391-5	99.50%
CI 77266	1333-86-4	215-609-9	0.50%

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated, soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid. In any case show the physician the Safety Data Sheet.

#### After inhalation

Ensure supply of fresh air. When vapours are intensively inhaled, seek medical help immediately.

#### After skin contact

Wash off

#### After eye contact

Separate eyelids,

#### After ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

#### Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

### 4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far

### 4.3. Indication of any immediate medical attention and special treatment needed

#### Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

## SECTION 5: Firefighting measures

**Flash Point** : above 115°C Method: Cleveland open cup. (Recommended)

#### Extinguishing

**Special Firefighting Procedures:** Not Available

**Hazardous Products Formed by fire or thermal decomposition:** Irritating organic fragments

**Unusual fire or explosion hazards:** None

**Explosive Limits** : (% by volume in air) Lower  
(% by volume in air) Upper

Not available

Not available

# MATERIAL SAFETY DATA SHEET



Trade name: E+

Date revised: 01.03.2025

## SECTION 6: Accidental release measures

- 6.1. Personal precautionary measures:** Refer to section 8 –personal protection. For large spills, evacuate the area and ensure good ventilation if possible - wear self-contained breathing apparatus if necessary. Wear suitable protective clothing.
- 6.2. Environmental protection measures:** Polymerize slowly before disposal – see section 13.
- 6.3. Procedure for cleaning / absorption:** For large spills wear self-contained breathing apparatus. Do not use cloths for mopping up. Polymerise slowly with water and scrape up.

## SECTION 7: Handling and storage

### 7.1. Handling:

Keep away from sources of ignition and heat. No smoking or flames in working area.  
Take precautionary measures against static discharges.  
Wear proper protective equipment, and avoid contact with skin or eyes.  
Use only in well ventilated areas.  
Use exhaust ventilation to keep air concentration below exposure limi.  
Keep container tightly closed when not in use.  
Install emergency showers and eye wash facility in working area.

### 7.2. Storage:

Keep away from possible source of ignition.  
Store in cool, dry and well ventilated location.  
Keep container tightly closed.  
Keep away from combustible materials, hear, and steam pipe or sunlight.  
Keep away from oxidizing materials.

### 7.3. Other precautions:

Wash hands, face and gargle after work.  
Practice good personal hygiene after using this material, especially before eating, drinking, smoking or using the rest room.  
Keep out of reach of children.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Other information

There are not known any further control parameters.

**Respiratory protection (Specify type):** Chemical Cartridge respirator with organic vapor

Ventilation Local exhausts

Should be used control vapors in work area

Mechanical (general)

Should use a breathing mask

**Protective gloves:** Polyethylene gloves.

No rubber Eye protection Safety glasses, face shield.

**Skin Protection:** Other protective clothing or equipment impervious Clothing apron and boots barrier

# MATERIAL SAFETY DATA SHEET



*Trade name: E+*

*Date revised: 01.03.2025*

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	: Black liquid
Odor	: Sharp, irritating
Boiling Point	: Above 190°C (374. F)
Melting Point	: N/A
Specific Gravity (H <sub>2</sub> O = 1)	: 0.9-1.1
Vapor Pressure (at 25°C)	: 1Pa
Vapor Density (Air =1)	: 4.5
Evaporation Rate (Butyl acetate =1)	: N/A
Solubility in Water: Insoluble (Polymerized by water)	

#### Freezing point

Remarks not determined

#### Upper and lower explosive limits

Remarks not determined

#### pH value

Remarks not determined

#### Viscosity

#### Solubility(ies)

Remarks not determined

#### Partition coefficient n-octanol/water (log value)

Remarks not determined

#### Relative vapour density

Remarks not determined

### 9.2. Other information

#### Odour threshold

Remarks not determined

#### Evaporation rate (ether = 1)

Remarks :

Remarks not determined

#### Solubility in water

Remarks not determined

#### Explosive properties

Remarks not determined

#### Oxidising properties

Remarks not determined

#### Other information

None known

## SECTION 10: Stability and reactivity

### 10.1. Condition to avoid:

High humidity, high temperature or direct sunlight

# MATERIAL SAFETY DATA SHEET



*Trade name: E+*

*Date revised: 01.03.2025*

**10.2. Stability:**

Stable (Cool and dry area)

**10.3. Material to avoid:**

Polymerized by contact with water, alcohols, amines or alkalis.

**10.4. Hazardous Decomposition or by Products:**

CO<sub>2</sub>, Oxides, Nitrogen and unknown Hydrocarbons.

**10.5. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

**SECTION 11: Toxicological information**

Toxicity : Skin contact may cause burns, bond skin rapidly and strongly skin and eye irritant

Routes of Entry: Inhalation (Yes),  
Skin (Yes)  
Ingestion (Yes)

**11.1. Ingredients which have exposure limits**

ACGIH (TLV) OSHA (PEL) OTHER  
Ethyl Cyanoacrylate 0.2ppm TWA None

Ingredients	Literature Referenced		Carcinogen NTP IARC OSHA
	Target Organ and Other health Effects		
Ethyl			
Abbreviations			
N/A	Not applicable	AC3	ACGIH animal Carcinogen
ALG	Allergen	BLO	Blood
BNM	Bone Marrow	CNS	Central Nervous System
EYE	Eyes	IMM	Immune system
IRR	Irritant		
MUT	Mutagen	Res	Respiratory

**11.2. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute oral toxicity**

Remarks not determined

**Acute dermal toxicity**

Remarks not determined

**Acute inhalational toxicity**

Remarks not determined

**Skin corrosion/irritation**

Remarks not determined

**Serious eye damage/irritation**

Remarks not determined

**Sensitization**

Remarks not determined

**Subacute, subchronic, chronic toxicity**

Remarks not determined

**Mutagenicity**

Remarks not determined

**Reproductive toxicity**

Remarks not determined

**Carcinogenicity**

# MATERIAL SAFETY DATA SHEET



Trade name: E+

Date revised: 01.03.2025

Remarks not determined

**Specific Target**

Remarks

not determined

**11.3. Information on other hazards**

**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**Other information**

No toxicological data are available.

## SECTION 12: Ecological information

**12.1. Toxicity**

**General**

not determined

**12.2. Persistence and degradability**

**General**

not determined

**12.3. Bioaccumulative potential**

**General information**

not determined

**Partition coefficient n-octanol/water (log value)**

not determined

**12.4. Mobility in soil**

**General information**

not determined

**12.5. Results of PBT and vPvB assessment**

**General information**

not determined

**Results of PBT and vPvB assessment \*\*\***

The product contains no PBT substances

The product contains no vPvB substances.

**12.6 Endocrine disrupting properties**

**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

**12.7. Other adverse effects**

**General information**

not determined

**General information / ecology**

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

## SECTION 13: Disposal considerations

**13.1. Waste disposal method:**

Don't pour drain. Follow domestic and local environmental regulations.

**Precautions to be taken in handling and storing:** Avoid unnecessary exposure to air and moisture.

Don't store above 25°C and in direct sunlight.

# MATERIAL SAFETY DATA SHEET



*Trade name: E+*

*Date revised: 01.03.2025*

Keep container lids tightly closed.

**13.2. Other Precautions:**

Wear recommended equipment to avoid contact with skin and eyes. Protect eyes, skin and clothing from contact with liquid product.

**SECTION 14: TRANSPORTATION INFORMATION**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
<b>14.1. UN number</b>	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in land transport.

U.S Department of Transportation Ground Transport (49 CFR 172)  
 Proper Shipping Name : Unrestricted (Not more than 450 liters.)  
 Combustible liquids n.o.s. (Cyanoacrylate ester) (More than 450 liters)  
 Hazard class or division : Unrestricted (Not more than 4 50 liters.)  
 Combustible liquids (More than 450 liters)  
 Identification number : None (Not more than 450 liters.)  
 NA1993 (More than 450 liters)  
 Marine Pollutant : None  
 International Air Transportation (ICA/IATA)  
 Proper shipping name : Unrestricted  
 Class or Division : Unrestricted  
 UN or ID number : None  
 Water Transportation (IMO/IMDG)  
 Proper Shipping Name : Unrestricted  
 Hazard class or division : None  
 Identification Number : None  
 Marine Pollutant : None

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**Other information**

All components are contained in the IECSC inventory  
 All components are contained in the ECL inventory  
 All components are contained in the TSCA inventory or exempted.  
 All components are contained in the DSL inventory.

CA Proportion 65: No California Proposition 65 chemicals are known to be present  
 TSCA 8(b) Inventory Status: All components are listed or are exempt from listing on Toxic Substances Control Act Inventory  
 EINECS All components are listed on EINECS

# MATERIAL SAFETY DATA SHEET



*Trade name: E+*

*Date revised: 01.03.2025*

## 15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### Estimated NFPA(R) Code:

Health Hazard : 1

Fire Hazard : 1

Reactivity Hazard : 1

Specific Hazard : Does not apply

### Estimated HMIS(R) Code:

Health Hazard : 1

Flammability Hazard : 1

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coating Assn.

### Department issuing safety data sheet

Department product safety

### Supplemental information

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.