

Material Safety Data Sheet

Product name	MIXED DIBASICESTERS
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1. Identification of the substance/mixture and of the company/undertaking

1.1. Product name	MIXED DIBASICESTERS
1.2. CAS-No.	95481-62-2
1.3. Relevant identified uses of the substance or mixture and uses advised against	
Identified uses	Used for coating,paint solvents
1.4. Details of the supplier of the safety data sheet	
Company	Glory Global CO.,LTD
Address	C-208, 10, Nowon-ro 15-gil, Nowon-gu, Seoul, Korea
Emergency Phone	+82 2 6223 0862

2. Hazards identification

2.1. Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

- Eye Irrit. 2 H319 Causes serious eye irritation.
- The product has to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- The classification is according to the EU Regulation 1272/2008/EC, and extended by company and literature data.

2.2. GHS Label elements, including precautionary statements

Pictogram

The product is classified and labelled according to the CLP regulation.

GHS07



Signal word

Danger

Hazard statement(s)

H319 Causes serious eye irritation.

Precautionary code and statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash thoroughly after handling.
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/attention.

2.3. Other hazards which do not result in classification : (NFPA Classification)

Results of PBT and vPvB assessment

·PBT: Not applicable
·vPvB: Not applicable

3. Composition/information on ingredients

3.1. Substances

Composition:			
CAS: 1119-40-0 EINECS: 214-277-2	dimethyl glutarate	substance with a Community workplace exposure limit	50.0-75.0%
CAS: 106-65-0 EINECS: 203-419-9	dimethyl succinate	Eye Irrit. 2, H319	15.0-25.0%
CAS: 627-93-0 EINECS: 211-020-6	dimethyl adipate	substance with a Community workplace exposure limit	20.0-25.0%

4. First aid measures

4.1. Description of first aid measures

General advice

If inhaled

Supply fresh air; consult doctor in case of complaints.

In case of skin contact

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

In case of eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor

If swallowed

Rinse mouth with water.
If symptoms persist consult doctor.
Never give anything by mouth to an unconscious person.

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

No further relevant information available

4.3. Indication of any immediate medical attention and special treatment needed No further relevant information available.

5. Firefighting measures

- 5.1. Suitable extinguishing media CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam
- 5.2. Special hazards arising from the substance or mixture Not available
- 5.3. Advice for firefighters Wear fully protective suit.
Mouth respiratory protective device
- 5.4. Further information No data available

6. Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
- Wear protective equipment. Keep unprotected persons away.
 - Keep away from ignition sources.
 - Ensure adequate ventilation
 - Use respiratory protective device against the effects of fumes/dust/aerosol.
 - Avoid contact with eyes.
 - Avoid contact with skin.
- 6.2. Environmental precautions
- Do not allow to enter sewers/ surface or groundwater.
- 6.3. Methods and materials for containment and cleaning up
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 6.4. Reference to other sections
- See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.


7. Handling and storage

- 7.1. Precautions for safe handling
- Ensure good ventilation/exhaustion at the workplace.
 - Keep away from heat and direct sunlight.
 - Prevent formation of aerosols.
 - Avoid contact with skin and eyes.
 - For the general occupational hygienic measures refer to Section 8.
- 7.2. Conditions for safe storage, including any incompatibilities
- Store away from foodstuffs.
 - Do not store together with oxidising and acidic materials.
 - Do not store together with alkalis (caustic solutions).

8. Exposure controls/personal protection

8.1. Control parameters

Components with workplace control parameters

Ingredients with limit values that require monitoring at the workplace:	
1119-40-0 dimethyl glutarate (50-75%)	
AGW (Germany)	Long-term value: 8 mg/m ³ , 1,2 ppm 2(l):AGS, Y, 11tarate
106-65-0 dimethyl succinate (15-25%)	
AGW (Germany)	Long-term value: 8 mg/m ³ , 1,2 ppm 2(l):AGS, Y, 11 
627-93-0 dimethyl adipate (20-25%)	
AGW (Germany)	Long-term value: 8 mg/m ³ , 1,2 ppm 2(l):AGS, Y, 11

8.2. Exposure controls

Appropriate engineering controls

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.
- See Section 7 for information about design of technical facilities

Personal protective equipment

- a) Eye/face protection
- Tightly sealed goggles
- b) Skin protection
- c) Body Protection
- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
- d) Respiratory protection
- Suitable respiratory protective device recommended
- e) Control of environmental exposure
- Control measures must be made in accordance with Community environmental protection legislation

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless
Odour	The scents of esters

Odour Threshold	- No data available
pH	- No data available
Melting point/freezing point	- No data available
Initial boiling point and boiling range	- No data available
Flash point	- No data available
Evaporation rate	- No data available
Flammability (solid, gas)	- No data available
Upper/lower flammability or explosive limits	- No data available
Vapour pressure	- No data available
Vapour density	- No data available
Solubility	- No data available
Specific gravity	- No data available
Partition coefficient: n-octanol/water	- No data available
Auto-ignition temperature	- No data available
Decomposition temperature	- No data available
Viscosity	- No data available
Molecular weight	- No data available
9.2. Other safety information	- No data available

10. Stability and reactivity

10.1. Reactivity	- No decomposition if used according to specification.
10.2. Chemical stability	- Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions	- No dangerous reactions known
10.4. Conditions to avoid	- No further relevant information available.
10.5. Incompatible materials	- No further relevant information available
10.6. Hazardous decomposition products	- No dangerous decomposition products known

11. Toxicological information

11.1. Information on toxicological effects	
Acute toxicity	- Based on available data, the classification criteria are not met.
Skin corrosion/irritation	- Based on available data, the classification criteria are not met
Serious eye damage/eye irritation	- Causes serious eye irritation
Respiratory or skin sensitisation	- Based on available data, the classification criteria are not met
Germ cell mutagenicity	- Based on available data, the classification criteria are not met
Carcinogenicity	- Based on available data, the classification criteria are not met
Reproductive toxicity	- Based on available data, the classification criteria are not met
Specific target organ toxicity – single exposure	- Based on available data, the classification criteria are not met
Specific target organ toxicity – repeated exposure	- Based on available data, the classification criteria are not met
Aspiration hazard	- Based on available data, the classification criteria are not met

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

12.1. Toxicity	- No further relevant information available.
12.2. Persistence and degradability	- No further relevant information available.
12.3. Bioaccumulative potential	- No further relevant information available.
12.4. Mobility in soil	- No further relevant information available.
12.5. Other adverse effects	- No further relevant information available.

13. Disposal considerations

13.1 Disposal methods	- Must not be disposed together with household garbage. Do not allow product to reach sewage system.
13.2. Special precautions for disposal	- Disposal must be made according to official regulations.

14. Transport information

14.1. UN number ADR RID ADN IMDG IATA	Not applicable
14.2. Proper shipping name	Not applicable
14.3. Hazard class	Not applicable
14.4. Packing group	Not applicable
14.5. Marine pollutant	Not applicable

14.6. Special precautions for user related to transport or transportation measures – Not dangerous according to the above specifications

15. Regulatory information

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|---|--------------------------------------|
| 15.1. POPs Management Law | Not applicable |
| 15.2. Information of EU Classification | – None of the ingredients is listed. |
| 15.3. U.S. Federal regulations | – None of the ingredients is listed. |
| 15.4. Rotterdam Convention listed ingredients | – None of the ingredients is listed. |
| 15.5. Stockholm Convention listed ingredients | – None of the ingredients is listed. |
| 15.6. Montreal Protocol listed ingredients | – None of the ingredients is listed. |

16. Other information

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| 16.1. Further information | Always work safely around open hatches on bulk tanks. The low density makes flotation difficult for immersed person. |
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