	MATERIAL SAFETY DATA SHEET	MSDS No.	M-01
	DIBASIC ESTER	Effective From	01/11/2022

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

1.1 Product identifier

Trade name: Dibasic Esters
 REACH registration No.: 01-2119475445-32-XXXX

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

General use Chemical basic material

Identified uses

Industrial use:

1. Manufacture of substance
2. Distribution of substance
3. Use as an intermediate
4. Formulation & (re)packing of substances and mixtures
5. Uses in coatings
6. Use in Cleaning Agents
7. Use in Oil and Gas field drilling and production operations
8. Lubricants
9. Metal working fluids
10. Blowing agents
11. Use as binders and release agents
12. Use as a fuel
13. Use in functional fluids
14. Use in laboratories
15. Polymer production
16. Rubber production and processing
17. Polymer processing
18. Water treatment chemicals
19. Mining chemicals

Professional use:

1. Uses in coatings
2. Use in Cleaning Agents
3. Use in Oil and Gas field drilling and production operations
4. Lubricants
- 5.. Metal working fluids
6. Use as binders and release agents
7. Use as a fuel
8. Use in functional fluids
9. De-icing and anti-icing applications
10. Road and construction applications
11. Use in laboratories
12. Explosives manufacture & use
13. Polymer processing
14. Water treatment chemicals
15. Use in agrochemicals

Consumer uses: Private households (= general public = consumers)

1. Uses in coatings
2. Use in Cleaning Agents
3. Lubricants
- 4.. Use in agrochemicals
5. Use as a fuel
6. Use in functional fluids

1.3 Details of the supplier of the safety data sheet

Company name: Bloomchemag BV.
Address Sint - Antoniusstraat 16 b1, B-2400 Mol, Belgium
Phone no.: +91 72919 74484 / 72919 74050

E-mail info@bloomchemag.com

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP):

This substance is classified as not hazardous.

Classification according to directive 67/548/EEC:

This substance is classified as not hazardous.

2.2 Label elements

Labelling (CLP)

Hazard statements not applicable
Safety precautions not applicable

Labelling (67/548/EEC or 1999/45/EC)

R phrase(s): not applicable
S phrase(s): not applicable

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

SECTION 3: Composition/ information on ingredients

3.1 Substances

Chemical characterization (substance):

Reaction mass of dimethyl adipate and dimethyl glutarate and dimethyl succinate

CAS-Number: -

EINECS-Number: 906-170-0

UVCB substance - Information on ingredients:

Ingredient	Chemical name	Content	Classification
EINECS 214-277-2 CAS 1119-40-0	Dimethyl glutarate	>= 50 %	EU: not applicable. CLP: not applicable.
EINECS 203-419-9 CAS 106-65-0	Dimethyl succinate	< 50 %	EU: Xi; R36. CLP: Eye Irrit. 2; H319.
EINECS 211-020-6 CAS 627-93-0	Dimethyl adipate	< 50 %	EU: not applicable. CLP: not applicable.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:	Take off immediately all contaminated clothing. Never give anything by mouth to an unconscious person.
After inhalation:	Provide fresh air. Seek medical treatment in case of troubles.
In case of skin contact:	Thoroughly wash skin with soap and water. Do not use solvents or thinners. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.
After swallowing:	Rinse mouth thoroughly with water. Do not induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No special measures are required.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:
Water fog, extinguishing powder, carbon dioxide, alcohol resistant foam

Extinguishing media which must not be used for safety reasons:
High power water jet

5.2 Special hazards arising from the substance or mixture

Emits toxic fumes under fire conditions.

5.3 Advice for firefighters

Special protective equipment for firefighters:
Wear self-contained breathing apparatus.

Additional information: Hazchem-Code: -
Use fine water spray to cool endangered containers. Danger of bursting container. Contaminated fire-fighting water must be collected separately. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Wear suitable protective clothing.
Keep away from unprotected people. Provide adequate ventilation.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.
In case of release, notify competent authorities.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder.
Store in special closed containers and dispose of according to ordinance. Final cleaning.

Additional information: Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to chapter 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling	Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin, eyes, and clothing. Avoid the formation of aerosol. Do not breathe vapour/aerosol.
Precautions against fire and explosion:	Keep away from heat. Keep away from sources of ignition. - No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:	Keep container tightly closed in a cool, well-ventilated place. Store only in original container. Store containers in upright position. Protect from frost. Protect against heat /sun rays. Keep locked up and out of the reach of children.
Hints on joint storage	Keep away from food, drink and animal feeding stuffs.
Storage class:	10 = Combustible liquids, unless storage class 3

7.3 Specific end use(s)

Chemical basic material
Refer to 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information:	Contains no substances with occupational exposure limit values.
DNEL	DNEL (Workers): Long Term, inhalative: 8,3 mg/m ³ NOAEC: Long Term, inhalative: 49,8 mg/m ³ DNEL: consumers, Long Term, inhalative: 5 mg/m ³ NOAEC: Long Term, inhalative: 50 mg/m ³
PNEC	PNEC water (freshwater): 0,018 mg/L. PNEC water (marine water): 0,0018 mg/L. PNEC water (intermittent release): 0,18 mg/L. PNEC sediment (freshwater): 0,16 mg/kg dwt. PNEC sediment (marine water): 0,016 mg/kg dwt. PNEC soil: 0,09 mg/kg d.w. PNEC sewage treatment plant: 10 mg/L.

8.2 Exposure controls

Provide adequate ventilation.

Occupational exposure controls

Respiratory protection:	Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A-P2 according to EN 141.
Hand protection:	Protective gloves according to EN 374. Glove material: Nitrile rubber or butyl caoutchouc (butyl rubber). Breakthrough time: >480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed safety glasses according to EN 166.
Body protection:	Wear suitable protective clothing. In case of handling larger quantities: boots

General protection and hygiene measures:

Take off immediately all contaminated clothing. When using do not eat, drink or smoke. Wash hands before breaks and after work. Avoid contact with skin and eyes. Do not breathe vapour/aerosol. Work place should be equipped with a shower and an eye rinsing apparatus.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour	colourless, clear
Odour:	characteristic
Boiling temperature / boiling range	209 °C
Melting point / melting range	-55,4 °C
Flash point / flash point range:	99 °C
Autoflammability:	> 400 °C
Density:	at 20 °C: 1,09 g/mL
Solubility:	soluble in variuos organic solvents
Water solubility:	insoluble
Partition coefficient n-octanol /water:	
Viscosity, dynamic:	at 25 °C: 2,5 mPa*s

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Keep away from heat.

10.5 Incompatible materials

strong acids and alkalis, oxidizing agents

10.6 Hazardous decomposition products

Emits toxic fumes under fire conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD50 Rat, oral:	5000 mg/kg
LC50 Rat, inhalative:	11000 mg/m ³
LD50 Rat, dermal:	2000 mg/kg

After inhalation: May cause irritations.

After eye contact: May cause irritations.

General remarks

NOAEL Rat, oral: 980 mg/kg bw/d
NOAEL Rat, dermal: 1000 mg/kg bw/d
NOAEC Rat, inhalative: 50 mg/m³
Not known to cause sensitization.
Mutagenicity: negative

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Algae toxicity: EC50 algae: 85 mg/L/ 72 h.
Daphnia toxicity: LC50 Daphnia magna: 112 - 150 ppm/ 24 h.
Fish toxicity: LC50 Pimephales promelas: 18 - 24 ppm/ 96 h.
Water Hazard Class: 1 = slightly hazardous to water

12.2. Persistence and degradability

Further details: No data available

12.3 Bioaccumulative potential

Partition coefficient n-octanol /water:

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number 07 07 99 = Wastes from the MFSU of fine chemicals and chemical products not otherwise specified
MFSU = manufacture, formulation, supply and use

Recommendation: Incinerate according to applicable local, state and federal regulations.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

SECTION 14: Transport information

14.1 UN number

not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA: Not restricted

14.3 Transport hazard class(es)

not applicable

14.4 Packing group

not applicable

14.5 Environmental hazards

Marine Pollutant unknown

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

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

No data available

SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code: -

National regulations - Germany

Storage class: 10 = Combustible liquids, unless storage class 3

Water Hazard Class: 1 = slightly hazardous to water

Informations on working limitations:

Observe employment restrictions concerning young persons.

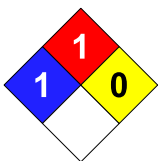
National regulations - EC member states

Volatile organic compounds (VOC):

100 % by weight = 1090 g/L

National regulations - USA

Hazard rating systems



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Further remarks

Literature: REACH Registration Dossier 'Reaction mass of dimethyl adipate and dimethyl glutarate and dimethyl succinate'.

Group that issues data sheet

Contact person: see chapter 1, department responsible for information.

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.
