

Safety Data Sheet

SOLVO SAFE DBE/C

Safety Data Sheet dated 17/11/2022, version 3
previous edition date: 06/06/2017

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

1.1. Product identifier

Mixture identification:
Trade name: SOLVO SAFE DBE/C
Trade code: 5116

EC number: 906-170-0
REACH number: 01-2119475445-32-XXXX

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

Recommended use:

Industrial uses: Production of substances, distribution, use as intermediate, use in information and re-packaging of substances and mixtures, use in coating, use in cleaning agents, use in extraction and production of oils and gases, lubricant, fluids for metal processing, blowing agent, use as a binder and release agent, use as a fuel, functional fluid, laboratory use, polymer production, rubber production, water treatment, minning chemicals.

Professional Uses: Use in coating, use in cleaning agents, use in oil and gas extraction and production, lubricant, metalworking fluids, use as an alloy and release agent, use as a fuel, functional fluid, application in de-icing and de-icing agents, application in construction and road industry, laboratory use, polymer production, water treatment, agriculture.

Consumer Uses: Use in coating, use as a cleaning agent, lubricants, use in agrochemicals, fuel, functional fluid.

1.3. Details of the supplier of the safety data sheet

Company:
GAMMA CHIMICA S.p.A.
Via Bergamo, 8
20045 - Lainate (MI)
Italy
Phone +39 02 9317901

Competent person responsible for the safety data sheet:

msds@gammachimica.it

1.4. Emergency telephone number

Link poison center : <https://poisoncentres.echa.europa.eu/it/appointed-bodies>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

This substance has no PBT, vPvB or endocrine disrupting properties

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

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Identification of the substance:

Chemical name:

EC number:

REACH number:

Reaction mass of dimethyladipate and dimethylglutarate and dimethylsuccinate

906-170-0

01-2119475445-32-XXXX

3.2. Mixtures

N.A.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

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7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No occupational exposure limit available
DNEL Exposure Limit Values
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Worker Industry: 5 03 - Consumer: 8.3 03 - Exposure: Human Inhalation - Frequency: Long Term, local effects
PNEC Exposure Limit Values
SOLVO SAFE DBE/C
Target: Fresh Water - Value: 0.018 mg/l
Target: Marine water - Value: 0.0018 mg/l
Target: Freshwater sediments - Value: 0.16 mg/kg
Target: Marine water sediments - Value: 0.016 mg/kg
Target: Water (intermittent release) - Value: 0.18 mg/l
Target: STP - Value: 10 mg/l
Target: Soil (agricultural) - Value: 0.09 mg/kg

8.2. Exposure controls
Eye protection:
Not needed for normal use. Anyway, operate according good working practices.
Protection for skin:
No special precaution must be adopted for normal use.
Protection for hands:
Not needed for normal use.
Respiratory protection:
Not needed for normal use.
Thermal Hazards:
None
Environmental exposure controls:
None
Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	N.A.	--	--
Colour:	Colourless	--	--
Odour:	Typical	--	--
Odour threshold:	Not available.	--	--
Melting point/freezing point:	-55°C	--	--
Boiling point or initial boiling point and boiling range:	209°C	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	99°C ° C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	slightly soluble	--	--
Solubility in oil:	slightly soluble	--	--

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Partition coefficient n-octanol/ water (log value):	N.A.	--	--
Vapour pressure:	0.08 hPa (20°C)	--	--
Density and/or relative density:	N.A.	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes
Viscosity:	2.5 mPas (25°C)	--	--

SECTION 10: Stability and reactivity

- 10.1. Reactivity
 - Stable under normal conditions
- 10.2. Chemical stability
 - Stable under normal conditions
- 10.3. Possibility of hazardous reactions
 - None
- 10.4. Conditions to avoid
 - Stable under normal conditions.
- 10.5. Incompatible materials
 - None in particular.
- 10.6. Hazardous decomposition products
 - None.

SECTION 11: Toxicological information

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

Toxicological information of the substance:

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- a) acute toxicity
 - Not classified
 - Based on available data, the classification criteria are not met
 - Test: LD50 - Route: Oral - Species: Rat 5000 mg/kg
 - Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
 - Test: LC50 - Route: Inhalation - Species: Rat 11000 mg/l - Duration: 4h
- b) skin corrosion/irritation
 - Not classified
 - Based on available data, the classification criteria are not met
- c) serious eye damage/irritation
 - Not classified
 - Based on available data, the classification criteria are not met
- d) respiratory or skin sensitisation
 - Not classified
 - Based on available data, the classification criteria are not met
- e) germ cell mutagenicity
 - Not classified
 - Based on available data, the classification criteria are not met
- f) carcinogenicity
 - Not classified
 - Based on available data, the classification criteria are not met
- g) reproductive toxicity
 - Not classified
 - Based on available data, the classification criteria are not met
- h) STOT-single exposure
 - Not classified
 - Based on available data, the classification criteria are not met
- i) STOT-repeated exposure
 - Not classified
 - Based on available data, the classification criteria are not met

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- j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met

- 11.2. Information on other hazards
Endocrine disrupting properties:
This substance has no endocrine disrupting properties

SECTION 12: Ecological information

- 12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
SOLVO SAFE DBE/C
Not classified for environmental hazards
Based on available data, the classification criteria are not met
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 18 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 112 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae 85 mg/l - Duration h: 72
- 12.2. Persistence and degradability
N.A.
- 12.3. Bioaccumulative potential
N.A.
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration $\geq 0.1\%$
- 12.7. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

- 14.1. UN number or ID number
ADR-UN Number: N.A.
IATA-UN Number: N.A.
IMDG-UN Number: N.A.
- 14.2. UN proper shipping name
ADR-Shipping Name: N.A.
IATA-Shipping Name: N.A.
IMDG-Shipping Name: N.A.
- 14.3. Transport hazard class(es)
- 14.4. Packing group
- 14.5. Environmental hazards
ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No
- 14.6. Special precautions for user
- 14.7. Maritime transport in bulk according to IMO instruments
N.A.

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
VOC Content - Directive 2010/75/CE
0%
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2020/878
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)

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Regulation (EU) n. 944/2013 (ATP 5 CLP)
 Regulation (EU) n. 605/2014 (ATP 6 CLP)
 Regulation (EU) n. 2015/1221 (ATP 7 CLP)
 Regulation (EU) n. 2016/918 (ATP 8 CLP)
 Regulation (EU) n. 2016/1179 (ATP 9 CLP)
 Regulation (EU) n. 2017/776 (ATP 10 CLP)
 Regulation (EU) n. 2018/669 (ATP 11 CLP)
 Regulation (EU) n. 2018/1480 (ATP 13 CLP)
 Regulation (EU) n. 2019/521 (ATP 12 CLP)
 Regulation (EU) n. 2020/217 (ATP 14 CLP)
 Regulation (EU) n. 2020/1182 (ATP 15 CLP)
 Regulation (EU) n. 2021/643 (ATP 16 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out for the substance.

SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.