

DIPA /000/ BULKWARE

Version: 8.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/25

Date of last issue: 2023/07/21

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Trade name	DIPA /000/ Bulkware
REACH No.	01-2119475444-34-0002
Substance name (REACH / CLP):	1,1'-iminodipropan-2-ol

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

Use of the Substance/Mixture	Industrial use, raw material for synthesis processes in the chemical industry, raw material for lubricants and lubricant additives
Uses advised against	

1.3 Details of the supplier of the safety data sheet

Company	SASOL Germany GmbH Anckelmannsplatz 1 20537 Hamburg Germany
	Telephone: +49 40 63684-1000 Telefax: +49 40 63684-3700
Information (Product safety)	E-mail: msds-info.germany@de.sasol.com

1.4 Emergency telephone number

Emergency telephone number	+44 1235 239670	Europe
	+44 1235 239671	Middle East, Africa
	+1 215 207 0061	North America, South America
	+65 3158 1074	Asia Pacific Region
	+44 1865 407333	Global (english)

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Eye irritation Category 2 Causes serious eye irritation.

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)**

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Hazard pictograms**Signal word**

Warning

Hazard statements

H319

Causes serious eye irritation.

Precautionary statements

P264

Wash skin thoroughly after handling.

P280

Wear eye protection/ face protection.

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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

This product is a substance in the meaning of regulation (EC) 1907/2006.

CHEMICAL CHARACTERIZATION**1,1'-iminodipropan-2-ol****component type:** Active ingredient**EC-No.:** 203-820-9**Index-No.:** 603-083-00-7**CAS-No.:** 110-97-4**REACH No.:** 01-2119475444-34-0002**Substance name (REACH / CLP):** 1,1'-iminodipropan-2-ol**COMPONENTS TO BE NAMED IN ACCORDANCE WITH REGULATION (EC) 1907/2006 AS WELL AS OTHER HAZARDOUS INGREDIENTS AND CONTAINED SUBSTANCES WITH WORK PLACE LIMIT VALUES**

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1,1'-iminodipropan-2-ol**content:** >= 90 - <= 100 %**component type:** Active ingredient**EC-No.:** 203-820-9**Index-No.:** 603-083-00-7**CAS-No.:** 110-97-4**REACH No.:** 01-2119475444-34-0002**Substance name (REACH / CLP):** 1,1'-iminodipropan-2-ol**Classification (Regulation (EC) No 1272/2008)** Eye Irrit. 2 H319

For information on ingredients listed on the candidate list (Candidate List of Substances of Very High Concern for Authorisation) or in the list of substances subject to authorization (Annex XIV of Regulation (EC) No 1907/2006), see section 15.1. of this data sheet.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

General advice	If you feel unwell, seek medical advice (show the label where possible).
If inhaled	Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.
In case of skin contact	Wash off with plenty of water.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Consult a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
Risks	Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Call a physician immediately.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media Water spray, Dry powder, Foam, Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting Dangerous gases or fumes may occur in case of fire.

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5.3 Advice for firefighters

Special protective equipment for firefighters	Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.
Further information	Cool closed containers exposed to fire with water spray. In the event of fire and/or explosion do not breathe fumes. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protective equipment.
Special precautions	Forms slippery/greasy layers with water. Danger of slipping after spill or leakage.

6.2 Environmental precautions

Environmental precautions	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.
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6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	Use mechanical handling equipment. The material taken up must be disposed of in accordance with regulations.
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6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	Wear personal protective equipment.
Advice on protection against fire and explosion	No special protective measures against fire required.

7.2 Conditions for safe storage, including any incompatibilities

container material	suitable materials: Stainless steel: 1.4541, 1.4571 (DIN); X6CrNiTi18-10, X6CrNiMoTi17-12-2 (EN); 321, 316 Ti (AISI) unsuitable materials: Light metals/light metal alloys, bronze, copper/copper alloys, brass, Zinc
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7.3 Specific end use(s)

Specific use(s)	This information is not available.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

National occupational exposure limits

Contains no substances with occupational exposure limit values.

No data available

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

No data available

DERIVED NO EFFECT LEVEL (DNEL)

Substance name: 1,1'-iminodipropan-2-ol			
End Use	Exposure routes	Value	Note
Workers	dermal, Acute/short-term exposure - systemic effects		No hazard identified
	Inhalation, Acute/short-term exposure - systemic effects		No hazard identified
	dermal, Acute/short-term exposure - local effects		No hazard identified
	Inhalation, Acute/short-term exposure - local effects		No hazard identified
	dermal, long-term exposure - systemic effects	5 mg/kg bw/day	
	Inhalation, long-term exposure - systemic effects	6.4 mg/m3	
	dermal, long-term exposure - local effects	0.12 mg/cm2	
	Inhalation, long-term exposure - local effects		No hazard identified
Consumers	dermal, Acute/short-term exposure - systemic effects		No hazard identified
	Inhalation, Acute/short-term exposure - systemic effects		No hazard identified
	Oral, Acute/short-term exposure - systemic effects		No hazard identified
	dermal, Acute/short-term exposure - local effects		No hazard identified
	Inhalation, Acute/short-term exposure - local effects		No hazard identified
	dermal, long-term exposure - systemic effects	6.3 mg/kg bw/day	
	Inhalation, long-term exposure - systemic effects	3.9 mg/m3	
	Oral, long-term exposure - systemic effects	1.3 mg/kg bw/day	
	dermal, long-term exposure - local effects	0.06 mg/cm2	
Inhalation, long-term exposure - local		Not relevant / Not	



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	effects		applicable
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PREDICTED NO EFFECT CONCENTRATION (PNEC)

Substance name: 1,1'-iminodiprop-2-ol		
Environmental Compartment	Value	Note
Fresh water	0.2777 mg/l	
Marine water	0.02777 mg/l	
intermittent release	2.777 mg/l	
Sewage treatment plant	15000 mg/l	
Fresh water sediment	2.33 mg/kg	based on dry weight
Marine sediment	0.233 mg/kg	based on dry weight
Soil	0.303 mg/kg	based on dry weight
food		Not relevant / Not applicable

8.2 Exposure controls

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection	No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where dust, fibres and smoke occur, use self-contained breathing apparatus or breathing apparatus with a type P2 or P3 filter, in compliance with EN 143.
Hand protection	<p>Material: Nitrile rubber/nitrile latex Break through time: >= 480 min Glove thickness: 0.35 mm</p> <p>Material: butyl-rubber Break through time: >= 480 min Glove thickness: 0.5 mm</p> <p>The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).</p>
Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear suitable protective equipment.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs.
Protective measures	Avoid contact with eyes. Wear suitable gloves and eye/face protection.

ENVIRONMENTAL EXPOSURE CONTROLS

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General advice Avoid subsoil penetration.
Do not flush into surface water or sanitary sewer system.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Physical state: solid; 20 °C; 1,013 hPa Shape: crystalline
Colour	colorless to yellow
Odour	slight, ammoniacal
Odour Threshold	No data available
Melting point/range	41 °C
Boiling point/boiling range	248.2 °C; 1,013 hPa
Flammability	not auto-flammable
Upper explosion limit	No data available
Lower explosion limit	No data available
Flash point	ca. 123 °C; DIN 51758
Auto-ignition temperature	ca. 370 °C; DIN 51794
Decomposition temperature	Hazardous decomposition products formed under fire conditions.
pH	ca. 11; 20 g/l; 20 °C
Viscosity	
Viscosity, dynamic	Not relevant / Not applicable, Justification: Solid
Solubility(ies)	
Water solubility	completely soluble
Partition coefficient: n-octanol/water	log Pow: -0.82
Vapour pressure	< 0.01 hPa; 20 °C
Relative density	No data available
Density	ca.0.99 g/cm ³ ; 20 °C
Relative vapour density	Not relevant / Not applicable, Justification: Solid

9.2 Other information

Explosives	not expected based on structure and functional groups
Oxidizing properties	not expected based on structure and functional groups
Self-ignition	Not applicable solid with a melting point < 160°C

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Evaporation rate	Not relevant / Not applicable Justification: Solid
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SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Note	Stable at normal ambient temperature and pressure.
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10.2 Chemical stability

Note	No decomposition if stored and applied as directed.
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10.3 Possibility of hazardous reactions

Hazardous reactions	Incompatible with strong acids and oxidizing agents.
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10.4 Conditions to avoid

Conditions to avoid	Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.
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10.5 Incompatible materials to avoid

Materials to avoid	Strong acids and oxidizing agents;
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10.6 Hazardous decomposition products

Hazardous decomposition products	No decomposition if stored normally.
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Thermal decomposition	Hazardous decomposition products formed under fire conditions.
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SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Not classified based on available information.

Acute oral toxicity	<i>1,1'-iminodipropan-2-ol</i> : LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 401 (literature value) Based on available data, the classification criteria are not met.
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Acute inhalation toxicity	<i>1,1'-iminodipropan-2-ol</i> : Study/Test not required Sufficient data are available from alternative routes of exposure.
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Acute dermal toxicity	<i>1,1'-iminodipropan-2-ol</i> : LD50 Rat: > 5,000 mg/kg; Symptoms: Local irritation (literature value) Based on available data, the classification criteria are not met.
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Skin corrosion/irritation

Not classified based on available information.

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Skin irritation

1,1'-iminodipropan-2-ol:
Rabbit: No skin irritation; OECD Test Guideline 404

Serious eye damage/eye irritation

Causes serious eye irritation.

Eye irritation

1,1'-iminodipropan-2-ol:
Rabbit: irritating; OECD Test Guideline 405
Causes serious eye irritation.

Skin sensitisation / Respiratory sensitisation

Skin contact: Not classified based on available information.

Inhalation: Not classified based on available information.

Sensitisation

1,1'-iminodipropan-2-ol:
Buehler Test Guinea pig: not sensitizing; OECD Test Guideline 406
(literature value)
Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Not classified based on available information.

Genotoxicity in vitro

1,1'-iminodipropan-2-ol:
In vitro tests did not show mutagenic effects
(literature value)

Genotoxicity in vivo

1,1'-iminodipropan-2-ol:
The study is not necessary.
Justification:
In vitro tests did not show mutagenic effects

Carcinogenicity

Not classified based on available information.

Carcinogenicity

1,1'-iminodipropan-2-ol:
Rat; oral feed
In this study no cancerogenic effects were observed.

Reproductive toxicity

Not classified based on available information.

Effects on fertility

1,1'-iminodipropan-2-ol:
Rat; Oral; OECD Test Guideline 422
No effects on fertility

(literature value)
The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

Effects on foetal development

1,1'-iminodipropan-2-ol:
Rat; Oral; OECD Test Guideline 414
Did not show teratogenic effects in animal experiments.

(literature value)

STOT - single exposure

Not classified based on available information.

Assessment

1,1'-iminodipropan-2-ol:
The substance or mixture is not classified as specific target organ toxicant, single

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exposure.

STOT - repeated exposure

Not classified based on available information.

Assessment	<i>1,1'-iminodipropan-2-ol:</i> The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Repeated dose toxicity	<i>1,1'-iminodipropan-2-ol:</i> Rat; Dermal; 28-day NOAEL: 750 mg/kg (based on body weight and day); OECD Test Guideline 410 (literature value) <i>1,1'-iminodipropan-2-ol:</i> Rat; Oral; Subchronic toxicity NOAEL: 500 mg/kg (based on body weight and day); OECD Test Guideline 408 (literature value)

Aspiration hazard

Not classified based on available information.

Aspiration toxicity	<i>1,1'-iminodipropan-2-ol:</i> Not applicable
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11.2 Information on other hazards

Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Experience with human exposure - Skin contact	<i>1,1'-iminodipropan-2-ol:</i> Prolonged skin contact may cause skin irritation.
Toxicological information	<i>1,1'-iminodipropan-2-ol:</i> Toxicokinetics, metabolism and distribution Absorption through skin is possible. The substance is rapidly eliminated from the body. The substance is excreted unmetabolised. (literature value)

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	<i>1,1'-iminodipropan-2-ol:</i> LC50 (96 h) Danio rerio (zebra fish): > 100 mg/l ; static test; OECD Test Guideline 203 (literature value)
Toxicity to fish - Chronic toxicity	<i>1,1'-iminodipropan-2-ol:</i> The study is not necessary. Sufficient information is available to predict no toxicity at the limit of solubility.
Toxicity to daphnia and other aquatic invertebrates	<i>1,1'-iminodipropan-2-ol:</i> EC50 (48 h) Daphnia magna (Water flea): > 100 mg/l ; static test (literature value)

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Toxicity to daphnia and other aquatic invertebrates - Chronic toxicity	<i>1,1'-iminodipropan-2-ol</i> : The study is not necessary. Sufficient information is available to predict no toxicity at the limit of solubility.
Toxicity to aquatic plants	<i>1,1'-iminodipropan-2-ol</i> : EC50 (72 h) <i>Desmodesmus subspicatus</i> (green algae): > 100 mg/l ; static test; (literature value)
Toxicity to bacteria	<i>1,1'-iminodipropan-2-ol</i> : EC5 (17 h) <i>Pseudomonas putida</i> : 15,000 mg/l; ISO 8192 (literature value) The substance is not to be considered to be inhibitory to bacteria.
Toxicity to soil dwelling organisms	<i>1,1'-iminodipropan-2-ol</i> : The study is not necessary. Justification: Readily biodegradable. unlikely direct and indirect exposure of the soil compartment
Plant toxicity	<i>1,1'-iminodipropan-2-ol</i> : Growth; Lowest Observed Effect Concentration (50 d): 424 mg/kg; <i>Lactuca sativa</i> (lettuce) (literature value)
Toxicity to terrestrial organisms	<i>1,1'-iminodipropan-2-ol</i> : The study is not necessary. unlikely direct and indirect exposure of the soil compartment Readily biodegradable.
12.2 Persistence and degradability	
Biodegradability	<i>1,1'-iminodipropan-2-ol</i> : > 60 %; 28 d; aerobic (literature value)
12.3 Bioaccumulative potential	
Bioaccumulation	<i>1,1'-iminodipropan-2-ol</i> : Bioaccumulation is unlikely.
12.4 Mobility in soil	
Distribution among environmental compartments	<i>1,1'-iminodipropan-2-ol</i> : Adsorption/Soil; Koc: 1; log Koc: 0; calculated (literature value) Highly mobile in soils
12.5 Results of PBT and vPvB assessment	
Results of PBT assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Results of PBT assessment	<i>1,1'-iminodipropan-2-ol</i> : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).
12.6 Endocrine disrupting properties	
Endocrine disrupting potential	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7 Other adverse effects	

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Additional ecological
information

1,1'-iminodipropan-2-ol:
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	Dispose of in accordance with local regulations.
Waste Code	A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose. The waste code must be determined in agreement with the regional waste disposal authority or company.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.2 UN proper shipping name

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.3 Transport hazard class(es)

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.4 Packing group

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.5 Environmental hazards

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ADR	Environmentally hazardous	no
RID	Environmentally hazardous	no
ADN	Environmentally hazardous	no
IMDG	Marine pollutant	no
ICAO/IATA	Environmentally hazardous	no

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

Ship type	3
Pollution category	Z
Remarks	MARPOL NAME: Diisopropanolamine

SECTION 15: REGULATORY INFORMATION

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

EU PIC: Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals

Not applicable

EU SVHC: REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

Not applicable

EU. REACH-Annex XIV: REACH - List of substances subject to authorisation (Annex XIV)

Not applicable

EC 1005/2009: Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

Not applicable

EU POP: Regulation (EU) 2019/1021 on persistent organic pollutants (recast)

Not applicable

UK. REACH Annex XIV: UK REACH List of substances subject to authorisation (Annex XIV)

Not applicable

UK SVHC: UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation

Not applicable

GB POPs: The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)

Not applicable

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REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

Number on list: 75

See Annex XVII to Regulation (EC) no 1907/2006 and amendments for Conditions of restriction

The product contains following substances that are listed on the named regulation/list:

Substance name	CAS-No. EC-No.	content
1,1'-iminodipropan-2-ol	110-97-4 203-820-9	100 %
1,1',1"-nitilotripropan-2-ol	122-20-3 204-528-4	0.5 %

Legislation on the control of major-accident hazards involving dangerous substances

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

list entry in the directive:: Not applicable

Notification status

Australian Inventory of Industrial Chemicals	ZAU_AIIC	listed (product or constituents are listed)
Canadian Domestic Substances List (DSL)	DSL	listed (product or constituents are listed)
Switzerland. Consolidated Inventory (based on EU-EINECS and EU-NLP)	CH INV	listed (product or constituents are listed)
Japan. ENCS - Existing and New Chemical Substances Inventory	ENCS (JP)	listed (product or constituents are listed)
Japan. ISHL - Inventory of Chemical Substances	ISHL (JP)	listed (product or constituents are listed)
Korea. Korean Existing Chemicals Inventory (KECI)	KECI (KR)	listed (product or constituents are listed)
China. Inventory of Existing Chemical Substances in China (IECSC)	IECSC	listed (product or constituents are listed)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	PICCS (PH)	listed (product or constituents are listed)
Taiwan Chemical Substance Inventory (TCSI)	ZTW_INV	listed (product or constituents are listed)
United States TSCA Inventory	TSCA	listed (product or constituents are listed)

Please note: the names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in chapter 3.

15.2 Chemical safety assessment

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1,1'-iminodipropan-2-ol

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

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H319 Causes serious eye irritation.

Safety datasheet sections which have been updated:

8. Exposure controls/personal protection

Further information:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

Key or legend to abbreviations and acronyms used in the safety data sheet

ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
AICS	Australian Inventory of Chemical Substances
ANSI	American National Standards Institute
ASTM	American Society of Testing and Materials (US)
BCF	Bioconcentration factor
CLP	Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DIN	Deutsches Institut für Normung
DNEL	Derived No-Effect Level
DSL	Domestic Substances List
EC...	Effect concentration ... %
ENCS	Existing Notified Chemical Substances (Japan)
EWC	European Waste Catalogue
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISHL	Industrial Safety and Health Law (Japan)
ISO	International Organization for Standardization
IUAPC	International Union of Pure and Applied Chemistry
KECI	Korea Existing Chemicals Inventory
LC...	Lethal Concentration, ...%
LD...	Lethal Dose, ...%
MARPOL	International Convention for the Prevention of Pollution From Ships
NDSL	Non-Domestic Substances List
NOAEL	no observable adverse effect level
NOEL/NOEC	No Observed-effect level/concentration
NZIoC	New Zealand Inventory of Chemicals
OECD	Organisation for Economic Co-operation and Development
PBT	persistent, bioaccumulative, toxic
PICCS	Philippine Inventory of Chemicals and Chemical Substances
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport international ferroviaire de marchandises dangereuses
TG	Test Guideline
TRGS	Technische Regeln für Gefahrstoffe

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TSCA
vPvB
WGK

Toxic Substances Control Act
very persistent, very bioaccumulative
Wassergefährdungsklasse

Annex

Attachments to the safety data sheet and/or lists of the identified uses for the listed substances can be downloaded using the internet links below.

1,1'-iminodipropan-2-ol

http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/000000024852_EN_01.pdf
