

**DIISOPROPANOLAMINE**

Version: 6.06

Revision Date 16.08.2017

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

Trade name	Diisopropanolamine
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	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
	Telephone: +49 40 63684-1000 Telefax: +49 40 63684-3700
Information (Product safety):	Telephone: + 49 (0) 23 65 - 49 47 05 Telefax: + 49 (0) 23 65 - 49 92 40
E-mail address	msds-info.germany@de.sasol.com

**1.4 Emergency telephone number**

Emergency telephone number	+ 49 (0) 23 65 - 49 22 32
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**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.
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**2.2 Label elements****Labelling (REGULATION (EC) No 1272/2008)****Hazard pictograms**

Signal word	Warning
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**Hazard statements**

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H319	Causes serious eye irritation.
<b>Precautionary statements</b>	
P264	Wash face, hands and any exposed skin thoroughly after handling.
P280	Wear protective gloves/ 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**

None known.

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

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

**CHEMICAL CHARACTERIZATION****1,1'-iminodipropan-2-ol; di-isopropanolamine****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****1,1'-iminodipropan-2-ol; di-isopropanolamine****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 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**

<b>General advice</b>	If you feel unwell, seek medical advice (show the label where possible).
<b>If inhaled</b>	Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.
<b>In case of skin contact</b>	Wash off with plenty of water.
<b>In case of eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a

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If swallowed physician.  
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**

**Most important symptoms and effects, both acute and delayed** Symptoms: No information available.  
Risks: No information available.

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

**Indication of any immediate medical attention and special treatment needed** Treatment: Call a physician immediately.

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

**Suitable extinguishing media** Water spray, Dry powder, Foam, Carbon dioxide (CO<sub>2</sub>)

**5.2 Special hazards arising from the substance or mixture**

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

**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.

**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.

**6.4 Reference to other sections**

For personal protection see section 8.

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**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

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

**7.2 Conditions for safe storage, including any incompatibilities**

<b>Requirements for storage areas and containers</b>	No special storage conditions required.
<b>Storage class (TRGS 510)</b>	11: Combustible Solids
<b>container material</b>	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

**7.3 Specific end use(s)**

<b>Specific use(s)</b>	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**

No data available

**EUROPEAN OCCUPATIONAL EXPOSURE LIMITS**

No data available

**DERIVED NO EFFECT LEVEL (DNEL)**

Substance name: 1,1'-iminodiprop-2-ol			
End Use	Exposure routes	Value	Note
Workers	dermal, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	dermal, Acute/short-term exposure - local effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - local effects		Not relevant / not applicable
	dermal, long-term exposure - systemic effects	12,5 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	16 mg/m3	
	dermal, long-term exposure - local effects		Not relevant / not applicable
	Inhalation, long-term exposure - local		Not relevant / not applicable

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	effects		
Consumers	dermal, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	Oral, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	dermal, Acute/short-term exposure - local effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - local effects		Not relevant / not applicable
	dermal, long-term exposure - systemic effects	6,3 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	3,9 mg/m3	
	Oral, long-term exposure - systemic effects	1,3 mg/kg	based on body weight and day
	dermal, long-term exposure - local effects		Not relevant / not applicable
	Inhalation, long-term exposure - local effects		Not relevant / not applicable

## 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	
treatment plant	15000 mg/l	
Fresh water sediment	2,19 mg/kg	based on dry weight
Marine sediment	0,219 mg/kg	based on dry weight
Soil	0,275 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

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.

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temperature).

**gloves suitable for permanent contact:**

Material: Nitrile rubber/nitrile latex  
Break through time:  $\geq 480$  min  
Layer thickness: 0,35 mm

Material: butyl-rubber  
Break through time:  $\geq 480$  min  
Layer thickness: 0,5 mm

<b>Eye protection</b>	Tightly fitting safety goggles
<b>Skin and body protection</b>	Wear suitable protective equipment.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs.
<b>Protective measures</b>	Avoid contact with eyes. Wear suitable gloves and eye/face protection.

**ENVIRONMENTAL EXPOSURE CONTROLS**

<b>General advice</b>	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.
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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

<b>Physical state</b>	solid; 20 °C; 1.013 hPa
<b>Form</b>	crystalline
<b>Colour</b>	colorless to yellow
<b>Odour</b>	slight, ammoniacal
<b>Odour Threshold</b>	No data available
<b>pH</b>	ca. 11; 20 g/l; 20 °C
<b>Melting point/range</b>	41 °C
<b>Boiling point/boiling range</b>	248,2 °C; 1.013 hPa
<b>Flash point</b>	ca. 123 °C; DIN 51758
<b>Evaporation rate</b>	Not relevant / not applicable Justification: Solid
<b>Flammability (solid, gas)</b>	not auto-flammable
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Vapour pressure</b>	< 0,01 hPa; 20 °C
<b>Relative vapour density</b>	Not relevant / not applicable, Justification: Solid
<b>Density</b>	ca.0,99 g/cm <sup>3</sup> ; 20 °C

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Relative density	No data available
Water solubility	completely soluble
Partition coefficient: n-octanol/water	log Pow: -0,82
Ignition temperature	ca. 370 °C; DIN 51794
Auto-ignition temperature	Not applicable solid with a melting point < 160°C
Viscosity, dynamic	Not relevant / not applicable, Justification: Solid
Explosive properties	not expected based on structure and functional groups
Oxidizing properties	not expected based on structure and functional groups

**9.2 Other data**

None known.

**SECTION 10: STABILITY AND REACTIVITY**

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**10.1 Reactivity**

**Note** Stable at normal ambient temperature and pressure.

**10.2 Chemical stability**

**Note** No decomposition if stored and applied as directed.

**10.3 Possibility of hazardous reactions**

**Hazardous reactions** Incompatible with strong acids and oxidizing agents.

**10.4 Conditions to avoid**

**Conditions to avoid** Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.

**10.5 Incompatible materials to avoid**

**Materials to avoid** Strong acids and oxidizing agents;

**10.6 Hazardous decomposition products**

**Hazardous decomposition products** No decomposition if stored normally.

**Thermal decomposition** Hazardous decomposition products formed under fire conditions.

**SECTION 11: TOXICOLOGICAL INFORMATION**

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**11.1 Information on toxicological effects****Acute toxicity**

**Acute oral toxicity** 1,1'-iminodipropyl-2-ol; di-isopropanolamine:  
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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<b>Acute inhalation toxicity</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: Study/Test not required Sufficient data are available from alternative routes of exposure.
<b>Acute dermal toxicity</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: LD50 Rat: > 2.000 mg/kg; Symptoms: Local irritation (literature value) Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	
<b>Skin irritation</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: Rabbit: not irritating; OECD Test Guideline 404 Based on available data, the classification criteria are not met.
<b>Human experience -Skin contact</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: Prolonged skin contact may cause skin irritation.
<b>Serious eye damage/eye irritation</b>	
<b>Eye irritation</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: Rabbit: irritating; OECD Test Guideline 405 Causes serious eye irritation.
<b>Respiratory or skin sensitisation</b>	
<b>Sensitisation</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: Buehler Test Guinea pig: not sensitizing; OECD Test Guideline 406 (literature value) Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	
<b>Genotoxicity in vitro</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: In vitro tests did not show mutagenic effects (literature value)
<b>Genotoxicity in vivo</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: The study is not necessary. Justification: In vitro tests did not show mutagenic effects
<b>Remarks</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	
<b>Carcinogenicity</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: Rat; oral feed In this study no cancerogenic effects were observed.
<b>Remarks</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	
<b>Reproductive toxicity</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: Rat; Oral; 38 days (male); 45 days (female) NOAEL (F1): 1.000 mg/kg (based on body weight and day); OECD Test Guideline 422 (literature value) The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy). Test substance: 1-aminopropan-2-ol hydrochloride
<b>RemarksReproductive toxicity</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: Based on available data, the classification criteria are not met.
<b>Teratogenicity</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine:



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	<p>Rat; Oral          NOAEL: 1.000 mg/kg (based on body weight and day)          NOAEL (pregnant female): 1.000 mg/kg (based on body weight and day); OECD Test Guideline 414          (literature value)</p>
<b>Remarks-Teratogenicity</b>	<p>1,1'-iminodipropyl-2-ol; di-isopropanolamine:          Based on available data, the classification criteria are not met.</p>
<b>STOT - single exposure</b>	
<b>Remarks</b>	<p>1,1'-iminodipropyl-2-ol; di-isopropanolamine:          The substance or mixture is not classified as specific target organ toxicant, single exposure.</p>
<b>STOT - repeated exposure</b>	
<b>Remarks</b>	<p>1,1'-iminodipropyl-2-ol; di-isopropanolamine:          The substance or mixture is not classified as specific target organ toxicant, repeated exposure.</p>
<b>Repeated dose toxicity</b>	<p>1,1'-iminodipropyl-2-ol; di-isopropanolamine:          Rat; Dermal; 28-day          NOAEL: 750 mg/kg (based on body weight and day); OECD Test Guideline 410          (literature value)</p> <p>1,1'-iminodipropyl-2-ol; di-isopropanolamine:          Rat; Oral; Subchronic toxicity          NOAEL: 500 mg/kg (based on body weight and day); OECD Test Guideline 408          (literature value)</p>
<b>Aspiration hazard</b>	
<b>Aspiration toxicity</b>	<p>1,1'-iminodipropyl-2-ol; di-isopropanolamine:          Not applicable</p>
<b>Toxicological information</b>	<p>1,1'-iminodipropyl-2-ol; di-isopropanolamine:          Toxicokinetics, metabolism and distribution          Absorption through skin is possible.          The substance is rapidly eliminated from the body.          The substance is excreted unmetabolised.          (literature value)</p>

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

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

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<b>toxicity</b>	Sufficient information is available to predict no toxicity at the limit of solubility.
<b>Toxicity to aquatic plants</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: EC50 (72 h) <i>Desmodesmus subspicatus</i> (green algae): > 100 mg/l ; static test; (literature value)
<b>Toxicity to bacteria</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: 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.
<b>Toxicity to soil dwelling organisms</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: The study is not necessary. Justification: Readily biodegradable. unlikely direct and indirect exposure of the soil compartment
<b>Toxicity to terrestrial flora</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: growth; Lowest Observed Effect Concentration (50 d): 424 mg/kg; <i>Lactuca sativa</i> (lettuce) (literature value)
<b>Toxicity for other terrestrial non-mammalian fauna</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: The study is not necessary. unlikely direct and indirect exposure of the soil compartment Readily biodegradable.
<b>12.2 Persistence and degradability</b>	
<b>Biodegradability</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: > 60 %; 28 d; aerobic (literature value)
<b>12.3 Bioaccumulative potential</b>	
<b>Bioaccumulation</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: Bioaccumulation is unlikely.
<b>12.4 Mobility in soil</b>	
<b>Mobility</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: Adsorption/Soil; Koc: 1; log Koc: 0; calculated (literature value) Highly mobile in soils
<b>12.5 Results of PBT and vPvB assessment</b>	
<b>Results of PBT assessment</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: This substance is not considered to be persistent, bioaccumulating and toxic (PBT).
<b>12.6 Other adverse effects</b>	
<b>General advice</b>	1,1'-iminodipropyl-2-ol; di-isopropanolamine: None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

<b>Product</b>	Dispose of in accordance with local regulations.
<b>waste code of the European Union: EWC</b>	The waste code must be determined in agreement with the regional waste disposal authority or company. 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.

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**SECTION 14: TRANSPORT INFORMATION**

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**14.1 UN number**

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

**14.2 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**

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**

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

Ship type	3
Pollution category	Z
Remarks	MARPOL NAME: Diisopropanolamine

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**SECTION 15: REGULATORY INFORMATION**

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

Employment restrictions for children and young workers in accordance with Directive 94/33/EC and the respective national provisions are to be observed.

**NATIONAL/OTHER REGULATIONS****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**

Switzerland. Consolidated Inventory	CH INV	listed (product or constituents are listed)
US. Toxic Substances Control Act	TSCA	listed (product or constituents are listed)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	DSL	listed (product or constituents are listed)
Australia. Industrial Chemical (Notification and Assessment) Act	AICS	listed (product or constituents are listed)
Japan. Kashin-Hou Law List	ENCS (JP)	listed (product or constituents are listed)
Japan. Industrial Safety & Health Law (ISHL) List	ISHL (JP)	listed (product or constituents are listed)
Korea. Existing Chemicals Inventory (KECI)	KECI (KR)	listed (product or constituents are listed)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	PICCS (PH)	listed (product or constituents are listed)
China. Inventory of Existing Chemical Substances	INV (CN)	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****1,1'-iminodipropan-2-ol**

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

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**SECTION 16: OTHER INFORMATION**

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

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Causes serious eye irritation.

**Safety datasheet sections which have been updated:**

- 2. Hazards identification
- 3. Composition/information on ingredients
- Annex

**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)
EWG	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
TSCA	Toxic Substances Control Act
vPvB	very persistent, very bioaccumulative
WGK	Wassergefährdungsklasse



## DIISOPROPANOLAMINE

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### 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'-iminodipropen-2-ol

[http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/000000000138\\_EN\\_01.pdf](http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/000000000138_EN_01.pdf)

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