



Product name: Isostearyl alcohol

Date of print: 2021-01-06

Version: 1.1, Date of issue: 02.01.2021

Date of previous issue: 2020-10-06

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

Isostearyl alcohol

Product form	Substance (UVCB)
Name des Stoffs	Isooctadecylalkohol
IUPAC name	Isooctadecan-1-ol
EC no.	248-470-8
CAS No.	27458-93-1
REACH registration No	01-2119976320-40

1.2. Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses**Main use category**

Industrial use

Title

General overview of professional uses of Isostearyl

Life cycle stage Use descriptors

Industrial

SU0, SU5, SU6b, SU8, SU9, SU11, SU12, SU15, SU17, SU18, SU19, PC1, PC3, PC4, PC8, PC9a, PC9b, PC15, PC18, PC19, PC20, PC21, PC23, PC24, PC25, PC26, PC28, PC29, PC31, PC32, PC34, PC35, PC38, PC39, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15, PROC17, PROC18, PROC19, PROC21, PROC24, ERC4, ERC5, ERC6a, ERC6b, ERC6d, ERC7

General overview of professional uses of Isostearyl

Professional

SU0, SU11, SU12, SU15, SU17, PC1, PC3, PC4, PC8, PC9a, PC9b, PC18, PC24, PC25, PC32, PC35, PC38, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC14, PROC15, PROC17, PROC18, PROC19, PROC21, PROC24, ERC8a, ERC8b, ERC8c, ERC8d, ERC8f, ERC9a, ERC9b

General overview of consumer uses of Isostearyl

Consumer

PC1, PC3, PC4, PC8, PC9a, PC9b, PC15, PC18, PC23, PC24, PC28, PC29, PC31, PC34, PC35, PC38, PC39, ERC8a, ERC8c, ERC8d, ERC8f

General overview of manufacturing uses of Isostearyl

PROC3, PROC4, ERC1

General overview of formulation uses of Isostearyl

PC1, PC3, PC4, PC8, PC9a, PC9b, PC15, PC18, PC21, PC23, PC24, PC25, PC26, PC28, PC29, PC31, PC32, PC34, PC35, PC38, PC39, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC14, PROC15, ERC2

Uses advised against

No additional information available

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1.3. Details of the supplier of the safety data sheet

Supplier

SysKem Chemie GmbH
Brucknerweg 26
D-42289 Wuppertal

Telephone +49 (0) 202 / 30999510
E-mail info@syskem.de

1.4. Emergency telephone number

Vergiftungs-Informations-Zentrale Freiburg, Tel. +49 761 19240.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin corrosion/irritation, Category 2 H315
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Hazard pictograms



GHS07

Signal word

Warning.

Hazard statements

H315 - Causes skin irritation.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

P264 - Wash hands, forearms and face thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear face protection, protective clothing, protective gloves.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P321 - Specific treatment (see specific cleansing agent(s) on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII



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SECTION 3: Composition/information on ingredients**3.1. Product type**

Substance type UVCB

Name	Identification numbers	%
Isooctadecan-1-ol	(CAS No.) 27458-93-1 (EC no.) 248-470-8 (REACH-no) 01-2119976320-40	≤ 100

3.2 Mixture

Not applicable.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

If you feel unwell, seek medical advice.

Inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

Skin contact:

Rinse with water. Take victim to a doctor if irritation persists.

Eye contact:

Rinse with water. Take victim to an ophthalmologist if irritation persists.

Ingestion:

Rinse mouth with water. Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital. Call Poison Information Centre.

4.2. Most important symptoms and effects, both acute and delayed**Symptoms/effects**

No supplementary information available.

Symptoms/effects after skin contact

Tingling/irritation of the skin.

Symptoms/effects after eye contact

Irritation of the eye tissue.

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

No supplementary information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

AFFF foam. BC powder. Carbon dioxide. Dry sand. Dry chemical powder. Adapt extinguishing media to the environment..

Unsuitable extinguishing media:

Solid water jet ineffective as extinguishing medium.



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5.2. Special hazards arising from the substance or mixture

Fire hazard

DIRECT FIRE HAZARD. Combustible. INDIRECT FIRE HAZARD. Heating increases the fire hazard. Temperature above flashpoint: higher fire/explosion hazard.

Explosion hazard

No supplementary information available.

5.3. Advice for firefighters

No supplementary information available.

SECTION 6: Accidental release measures

General measures

Mark the danger area. No naked flames. Prevent soil and water pollution. Prevent spreading in sewers. Wash contaminated clothes. Exposure to fire/heat: keep upwind. Exposure to heat: have neighbourhood close doors and windows.

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

See "Material-Handling" to select protective clothing.

For emergency responders

Use protective measures listed in Section 8.

6.2. Environmental precautions

Prevent soil and water pollution.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up

Clean contaminated surfaces with an excess of water and soap solution. Take up liquid spill into inert absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone.

Other information

No supplementary information available.

6.4. Reference to other sections

Handle waste materials in accordance with the provisions of Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling temperature:

≥ 10 °C above melting point.

7.2. Conditions for safe storage, including any incompatibilities

Information on mixed storage

KEEP SUBSTANCE AWAY FROM: heat sources. oxidizing agents. (strong) acids. halogens.

Storage area

Ventilation at floor level. Provide for a tub to collect spills. Meet the legal requirements.



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Special rules on packaging

SPECIAL REQUIREMENTS: closing. Correctly labelled. Meet the legal requirements.

Packaging materials

No supplementary information available.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No additional information available.

8.2. Exposure controls**Personal protective equipment**

Gloves. Protective clothing. Safety glasses.

Materials for protective clothing

GIVE GOOD RESISTANCE: butyl rubber. neoprene. polyethylene. viton. GIVE POOR RESISTANCE: nitrile rubber. PVC

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Appearance (room temperature)	: Clear.
Colour	: Colourless or light yellow.
Odour	: Pleasant odour. Characteristic odour.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No supplementary information available
Freezing point	: ca. 3 °C
Boiling point	: > 250 °C
Flash point	: ca. 194 °C (ASTM D92)
Auto-ignition temperature	: > 250 °C
Decomposition temperature	: > Flash point
Flammability (solid, gas)	: No data available
Vapour pressure	: < 0,01 hPa (20°C)
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ca. 860,2 kg/m ³ (20°C) ca. 844,2 kg/m ³ (40°C) ca. 796,1 kg/m ³ (100°C)
Solubility	: Water: < 0,1 g/100ml (25°C)
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 56 mm ² /s @25°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available



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9.2. Other information

Miscibility : soluble in most organic solvents
VOC content : < 3 % (1999/13/EC; 2004/42/EC; 2010/75/EU; SR 814.018)
Other properties : Literature reports: poorly soluble in water. Slightly volatile.
Gas/vapour heavier than air at 20°C.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Upon combustion CO and CO₂ are formed.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available.

10.4. Conditions to avoid

No supplementary information available.

10.5. Incompatible materials

No supplementary information available.

10.6. Hazardous decomposition products

No supplementary information available.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute Toxicity (Oral)	Not classified
Acute toxicity (Dermal)	Not classified
Acute toxicity (by inhalation)	Not classified

Rapsmethylester, destilliert (85586-25-0)
LD50 oral rat > 2000 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Not classified.

Respiratory or skin sensitisation

Not classified.

Germ cell mutagenicity

Not classified.

Carcinogenicity

Not classified.

Reproductive toxicity

Not classified.



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Specific target organ toxicity (single exposure)

Not classified.

Specific target organ toxicity (repeated exposure)

Not classified.

Aspiration hazard

Not classified (Viscosity, kinematic 56 mm²/s @25°C)

SECTION 12: Ecological information

12.1 Toxicity

Ecology - General: No supplementary information available.
Ecology - Air: No supplementary information available.
Ecology - Water: No bioaccumulation data available

Acute aquatic toxicity: Not classified
Chronic aquatic toxicity: Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulative potential

No additional information available

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII .
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

12.6 Other adverse effects

No supplementary information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal

Take up liquid spill into absorbent material, Scoop absorbed substance into closing containers, Carefully collect the spill/leftovers, Clean contaminated surfaces with an excess of water, Wash clothing and equipment after handling.

Regional legislation (waste)

No supplementary information available.

Ecology - waste materials

Remove to an authorized incinerator equipped with an. afterburner and a flue gas scrubber. plastic packaging. wooden packaging. glass packaging.

EURAL code

No supplementary information available.



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SECTION 14: Transport information

14.1 UN number

Not subject to transport regulations.

14.2 UN proper shipping name

Not relevant

14.3 Transport hazard class(es)

Not relevant

14.4 Packing group

Not relevant

14.5 Environmental hazards

No (Not environmentally hazardous according to the dangerous goods regulations)

14.6 Special precautions for user

There are no additional details.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

EU REGULATIONS

No REACH Annex XVII restrictions
The Product is not on the REACH Candidate List
The Product is not on the REACH Annex XIV List

The Product is not subject to Regulation (EU) 649/2012 on the export and import of dangerous chemicals
The Product is not subject to Regulation (EU) 2019/1021 on persistent organic pollutants

VOC content

< 0,1 % (1999/13/EC; 2004/42/EC; 2010/75/EU)

NATIONAL REGULATIONS

Chemical inventories

Compliant with AICS, DSL, ECST, ENCS, IECSC, KECL, NZIoC, PICCS, TECL, TSCA, EC inventories

Listed on ECST (Existing Chemical Substances Inventory of Taiwan)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on the United States TSCA (Toxic Substances Control Act) inventory



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Germany

Reference to AwSV

WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No. 3545)

Hazardous Incident Ordinance (12. BImSchV)

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

15.2. Chemical Safety Assessment

The chemical safety assessment has been carried out, an exposure scenario is not applicable (substance is not classified).

SECTION 16: Other information

Chem. inventories legend

AICS = Australian Inventory of Chemical Substances

DSL = Canadian Domestic Substances List

ECL = Korean Existing Chemical List

ECST = Existing Chemical Substances Inventory of Taiwan

ENCS = Japanese Existing and New Chemicals Substances List

IECSC = Inventory of Existing Chemicals Substances in China

NZIoC = New Zealand Inventory of Chemicals PICCS = Philippine Inventory of Chemicals and Chemical Substances

TSCA = USA Toxic Substances Control Act

EC inventories = European Community inventories of chemicals (EINECS/ELINCS/NLP/REACH)

Full text of H- and EUH-statements:

Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3

Skin Irrit. 2 Skin corrosion/irritation, Category 2

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

SDS changed sections

Section 1

Other information

No supplementary information available.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

Full text of use descriptors

ERC1 Manufacture of substances

ERC2 Formulation of preparations

ERC4 Industrial use of processing aids in processes and products, not becoming part of articles

ERC5 Industrial use resulting in inclusion into or onto a matrix

ERC6a Industrial use resulting in manufacture of another substance (use of intermediates)

ERC6b Industrial use of reactive processing aids

ERC6d Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers

ERC7 Industrial use of substances in closed systems

ERC8a Wide dispersive indoor use of processing aids in open systems

ERC8b Wide dispersive indoor use of reactive substances in open systems

ERC8c Wide dispersive indoor use resulting in inclusion into or onto a matrix

ERC8d Wide dispersive outdoor use of processing aids in open systems

ERC8f Wide dispersive outdoor use resulting in inclusion into or onto a matrix

ERC9a Wide dispersive indoor use of substances in closed systems

ERC9b Wide dispersive outdoor use of substances in closed systems

PC1 Adhesives, sealants

PC15 Non-metal-surface treatment products

PC18 Ink and Toners

SAFETY DATA SHEET



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PC19 Intermediate
PC20 Products such as ph-regulators, flocculants, precipitants, neutralization agents
PC21 Laboratory chemicals
PC23 Leather tanning, dye, finishing, impregnation and care products
PC24 Lubricants, Greases and Release Products
PC25 Metal working fluids
PC26 Paper and Board dye, finishing and impregnation products: including bleaches and other processing aids
PC28 Perfumes, fragrances
PC29 Pharmaceuticals
PC3 Air care products
PC31 Polishes and wax blends
PC32 Polymer preparations and compounds
PC34 Textile dyes, finishing and impregnating products; including bleaches and other processing aids
PC35 Washing and cleaning products (including solvent based products)
PC38 Welding and soldering products, flux products
PC39 Cosmetics, personal care products
PC4 Anti-Freeze and De-icing products
PC8 Biocidal products (e.g. Disinfectants, pest control)
PC9a Coatings and paints, thinners, paint removers
PC9b Fillers, putties, plasters, modelling clay
PROC10 Roller application or brushing
PROC11 Non-industrial spraying
PROC13 Treatment of articles by dipping and pouring
PROC14 Production of preparations or articles by tableting, compression, extrusion, pelletisation
PROC15 Use as laboratory reagent
PROC17 Lubrication at high energy conditions and in partly open process
PROC18 Greasing at high energy conditions
PROC19 Hand-mixing with intimate contact and only PPE available
PROC2 Use in closed, continuous process with occasional controlled exposure
PROC21 Low energy manipulation of substances bound in materials and/or articles
PROC24 High (mechanical) energy work-up of substances bound in materials and/or articles
PROC3 Use in closed batch process (synthesis or formulation)
PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises
PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
PROC6 Calendering operations
PROC7 Industrial spraying
PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities
PROC8b Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
SU0 Other
SU11 Manufacture of rubber products
SU12 Manufacture of plastics products, including compounding and conversion
SU15 Manufacture of fabricated metal products, except machinery and equipment
SU17 General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment
SU18 Manufacture of furniture
SU19 Building and construction work
SU5 Manufacture of textiles, leather, fur
SU6b Manufacture of pulp, paper and paper products
SU8 Manufacture of bulk, large scale chemicals (including petroleum products)
SU9 Manufacture of fine chemicals