

**Trade name:** SENSENE™ Modified Alcohol Solvent**Current version :** 2.1.1, issued: 25.03.2024**Replaced version:** 2.1.0, issued: 22.03.2024**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

**SENSENE™ Modified Alcohol Solvent****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Use in textile cleaning - industrial use

**Uses advised against**

Uses which are not mentioned in the relevant identified uses.

**1.3 Details of the supplier of the safety data sheet****Address**SAFE CHEM Europe GmbH  
Tersteegenstr. 25  
40474 Düsseldorf  
GermanyTelephone no. +49 211 4389300  
Fax no. +49 211 4389389  
e-mail service@safechem.com**Advice on Safety Data Sheet**

sds@safechem.com

**1.4 Emergency telephone number**

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

In case of transport incidents and other emergencies:

+44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Asp. Tox. 1; H304

Flam. Liq. 3; H226

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS02



GHS08

**Signal word**

Danger

**Hazardous component(s) to be indicated on label:**

Hydrocarbons, C11-C13, isoalkanes, &lt;2% aromatics

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**Hazard statement(s)**

H226 Flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.

**Hazard statements (EU)**

EUH066 Repeated exposure may cause skin dryness or cracking.

**Precautionary statement(s)**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P331 Do NOT induce vomiting.  
 P370+P378 In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.  
 P501 Dispose of contents/container to a facility in accordance with local and national regulations.

**2.3 Other hazards**

This product 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.

PBT assessment

The product is not considered to be a PBT.

vPvB assessment

The product is not considered to be a vPvB.

## SECTION 3: Composition/information on ingredients

**3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures**

**Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	Modified alcohol		
	-	-	>= 50.00 - <= 70.00 wt%
	-		
	-		
2	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics		
	-	Asp. Tox. 1; H304	>= 30.00 - <= 50.00 wt%
	920-901-0	EUH066	
	-		
	01-2119456810-40		

Full Text for all H-phrases and EUH-phrases: pls. see section 16

## SECTION 4: First aid measures

**4.1 Description of first aid measures**

**General information**

Adhere to personal protective measures when giving first aid. If the patient is likely to become unconscious, place and transport in stable sideways position. In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

**After inhalation**

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. If breathing is irregular or stopped, administer artificial respiration. Take medical treatment.

**After skin contact**

In case of contact with skin wash off immediately with soap and water.

**After eye contact**

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Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get medical attention if pain still persists.

**After ingestion**

Do not induce vomiting - aspiration hazard. Call a doctor immediately. Never give anything by mouth to an unconscious person.

**4.2 Most important symptoms and effects, both acute and delayed****Effects**

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

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

Treat symptomatically.

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

Water spray jet; Carbon dioxide; Alcohol-resistant foam; Dry chemical extinguisher

**Unsuitable extinguishing media**

High power water jet

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

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide

**5.3 Advice for firefighters**

Use self-contained breathing apparatus. Wear protective clothing. Heat causes increase in pressure and risk of bursting. Cool closed containers exposed to fire with water. Containers close to fire should be transferred to a safe place. Product floats on the water surface and may reignite. Do not allow run-off from fire fighting to enter drains or water courses.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Only engage trained and adequately protected personnel. Refer to protective measures listed in sections 7 and 8. Do not inhale vapours. Keep away from ignition sources.

**For emergency responders**

Personal protective equipment (PPE) - see section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

**6.3 Methods and material for containment and cleaning up**

Prevent spread over a wide area (by containment with sand or earth). Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Pump off large amounts. Use explosion-proof apparatus and fittings. Prevent evaporation of the product by using suitable foam.

**6.4 Reference to other sections**

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Advice on safe handling**

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Provide good room ventilation even at ground level (vapours are heavier than air).

**General protective and hygiene measures**

Do not inhale vapours. Do not eat, drink or smoke during work time. After worktime and during work intervals the affected skin areas must be thoroughly cleaned. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin.

**Advice on protection against fire and explosion**

Vapours can form an explosive mixture with air. Isolate from sources of heat, sparks and open flame. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Use explosion-proof equipment/fittings and non-sparking tools.

**7.2 Conditions for safe storage, including any incompatibilities**
**Technical measures and storage conditions**

Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight.

**Requirements for storage rooms and vessels**

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

**Incompatible products**

Substances to be avoided, see section 10.

**7.3 Specific end use(s)**
**Industry solution**

For further information contact supplier.

**SECTION 8: Exposure controls/personal protection**
**8.1 Control parameters**
**DNEL, DMEL and PNEC values**
**DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Modified alcohol			-	
	dermal	Long term (chronic)	systemic	22.1	mg/kg/day
	inhalative	Long term (chronic)	systemic	133	mg/m <sup>3</sup>

**DNEL value (consumer)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Modified alcohol			-	
	oral	Long term (chronic)	systemic	1.67	mg/kg/day
	dermal	Long term (chronic)	systemic	5.26	mg/kg/day
	inhalative	Long term (chronic)	systemic	15.8	mg/m <sup>3</sup>

**PNEC values**

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	Modified alcohol		-	
	water	fresh water	1	mg/L
	water	marine water	0.1	mg/L
	water	fresh water sediment	1.16	mg/kg dry weight
	water	marine water sediment	1.16	mg/kg dry weight
	soil	-	0.1	mg/kg dry weight
	sewage treatment plant	-	10	mg/L

**8.2 Exposure controls**

**Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

**Personal protective equipment**
**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Self-contained breathing apparatus. Short term: filter apparatus.

Respirator A

**Eye / face protection**

Safety glasses with side protection shield (EN 166)

**Hand protection**

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material chlorinated polyethylene (CPE)

Appropriate Material neoprene

Appropriate Material nitrile (NBR)

Appropriate Material Polyethylene

Appropriate Material ethyl vinyl alcohol laminate (EVAL)

Appropriate Material viton

Appropriate Material In case of short-term contact / splash protection:

Material thickness > 0.35 mm

Breakthrough time > 60 min

Appropriate Material In case of longer-term contact:

Material thickness > 0.35 mm

Breakthrough time > 240 min

**Other**

Chemical-resistant work clothes.

**Environmental exposure controls**

Information regarding safe handling, see chapter 7. Information regarding waste disposal, see chapter 13.

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

<b>State of aggregation</b>	
liquid	
<b>Form</b>	
liquid	
<b>Colour</b>	
colourless	
<b>Odour</b>	
mild	
<b>pH value</b>	
Not applicable	
<b>Boiling point / boiling range</b>	
Value	180 °C
Reference pressure	760 mm Hg
<b>Melting point/freezing point</b>	
No data available	

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<b>Decomposition temperature</b>			
No data available			
<b>Flash point</b>			
Value	>=	58	°C
Method	ISO 2719a		
<b>Ignition temperature</b>			
No data available			
<b>Auto-ignition temperature</b>			
Value		236	°C
Method	DIN EN 14522		
<b>Oxidising properties</b>			
not oxidizing			
<b>Explosive properties</b>			
Product does not present an explosion hazard.			
<b>Flammability</b>			
No data available			
<b>Lower explosion limit</b>			
Value		38	g/m <sup>3</sup>
Method	DIN EN 1839		
Source	@ 100 °C (Physikalisch-Technische Bundesanstalt (PTB) Braunschweig)		
<b>Upper explosion limit</b>			
Value		7.0	% vol
<b>Vapour pressure</b>			
Value		0.054	kPa
Reference temperature		20	°C
<b>Relative vapour density</b>			
No data available			
<b>Relative density</b>			
Value		0.839	
Reference temperature		20	°C
<b>Density</b>			
No data available			
<b>Solubility in water</b>			
Value		0.5	%
Reference temperature		20	°C
<b>Solubility</b>			
No data available			
<b>Partition coefficient n-octanol/water (log value)</b>			
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>	<b>EC no.</b>
1	Modified alcohol	-	-
log Pow		0.42	
Source	supplier		
<b>Kinematic viscosity</b>			
No data available			
<b>Particle characteristics</b>			
No data available			

## 9.2 Other information

<b>Other information</b>
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No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

### 10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

### 10.4 Conditions to avoid

Hazard of decomposition at higher temperatures. Protect from heat and direct sunlight. Do not distill to dryness.

### 10.5 Incompatible materials

strong acids; strong bases; strong oxidizing agents

### 10.6 Hazardous decomposition products

Aldehydes; Ketones; organic acids

## SECTION 11: Toxicological information

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

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Modified alcohol	-	-
LD50		3300	mg/kg bodyweight
Species	rat		
Source	supplier		
2	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	-	920-901-0
LD50		5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA / Read across		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	Modified alcohol	-	-
LD50		2000	mg/kg bodyweight
Species	rat		
Source	supplier		
2	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	-	920-901-0
LD50		2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA / Read across		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	Modified alcohol	-	-
LC50		5.25	mg/l
Duration of exposure		4	h
State of aggregation	mist		
Species	rat		
Source	supplier		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	-	920-901-0
Species	rabbit		
Method	OECD 404		

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Source Evaluation	ECHA / Read across non-irritant
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Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	-	920-901-0
Species	rabbit		
Method	OECD 405		
Source	ECHA / Read across		
Evaluation	non-irritant		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	-	920-901-0
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA / Read across		
Evaluation	non-sensitizing		

Germ cell mutagenicity			
No data available			

Reproduction toxicity			
No data available			

Carcinogenicity			
No data available			

STOT - single exposure			
No data available			

STOT - repeated exposure			
No data available			

Aspiration hazard			
No data available			

## 11.2 Information on other hazards

### Endocrine disrupting properties

No data available.

### Other information

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	Modified alcohol	-	-
LC50	>	1000	mg/l
Duration of exposure		96	h
Species	Poecilia reticulata		
Source	supplier		
2	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	-	920-901-0
LL50	>	1000	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA / Read across		

Toxicity to fish (chronic)			
No data available			



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<b>Toxicity to Daphnia (acute)</b>			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	-	920-901-0
EC50	>	1000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA / Read across		

<b>Toxicity to Daphnia (chronic)</b>			
No data available			

<b>Toxicity to algae (acute)</b>			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	-	920-901-0
EL50	>	1000	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA / Read across		

<b>Toxicity to algae (chronic)</b>			
No data available			

<b>Bacteria toxicity</b>			
No data available			

## 12.2 Persistence and degradability

<b>Biodegradability</b>			
No	Substance name	CAS no.	EC no.
1	Modified alcohol	-	-
Value	18	-	32
Duration			28
Method	OECD 301 B		
Source	supplier		
Value		25	%
Duration		28	day(s)
Method	OECD 302 B		
Source	supplier		

## 12.3 Bioaccumulative potential

<b>Bioconcentration factor (BCF)</b>			
No	Substance name	CAS no.	EC no.
1	Modified alcohol	-	-
BCF			4
Species	Oncorhynchus mykiss		
Source	supplier		

<b>Partition coefficient n-octanol/water (log value)</b>			
No	Substance name	CAS no.	EC no.
1	Modified alcohol	-	-
log Pow			0.42
Source	supplier		

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

<b>Results of PBT and vPvB assessment</b>	
PBT assessment	The product is not considered to be a PBT.
vPvB assessment	The product is not considered to be a vPvB.

## 12.6 Endocrine disrupting properties

No data available.

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No data available.

**12.8 Other information****Other information**

Do not discharge product unmonitored into the environment.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**SECTION 14: Transport information****14.1 UN number or ID number**

<b>ADR/RID/ADN</b>	UN1993
<b>IMDG</b>	UN1993
<b>ICAO-TI / IATA</b>	UN1993

**14.2 UN proper shipping name**

<b>ADR/RID/ADN</b>	FLAMMABLE LIQUID, N.O.S.
Technical name	Modified alcohol, Hydrocarbons, C11-C13, isoalkanes, <2% aromatics mixture

<b>IMDG</b>	FLAMMABLE LIQUID, N.O.S.
Technical name	modified alcohol/ Hydrocarbons, C11-C13, isoalkanes, <2% aromatics mixture

<b>ICAO-TI / IATA</b>	Flammable liquid, n.o.s.
Technical name	modified alcohol/ Hydrocarbons, C11-C13, isoalkanes, <2% aromatics mixture

**14.3 Transport hazard class(es)**

<b>ADR/RID/ADN - Class</b>	3
Label	3
Classification code	F1
Tunnel restriction code	D/E
Hazard identification no.	30

<b>IMDG - Class</b>	3
Label	3

<b>ICAO-TI / IATA - Class</b>	3
Label	3

**14.4 Packing group**

<b>ADR/RID/ADN</b>	III
<b>IMDG</b>	III
<b>ICAO-TI / IATA</b>	III

**14.5 Environmental hazards**

EmS	F-E, S-E
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**14.6 Special precautions for user**

No data available.

**14.7 Maritime transport in bulk according to IMO instruments**

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Not relevant

## SECTION 15: Regulatory information

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

#### EU regulations

<b>Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)</b>	
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.	
<b>REACH candidate list of substances of very high concern (SVHC) for authorisation</b>	
According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.	
<b>Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES</b>	
The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.	No 3, 40
<b>Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances</b>	
This product is subject to Part I of Annex I, risk category:	P5c
<b>Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)</b>	
VOC content	100.00 %
<b>Other regulations</b>	
Adhere to the national sanitary and occupational safety regulations when using this product.	

### 15.2 Chemical safety assessment

Chemical safety assessments have been conducted for the substances in this mixture. For a mixture a chemical safety assessment according to (EC) 1907/2006 is not mandatory.

## SECTION 16: Other information

#### Further information

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#### Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

#### Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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