

**SECTION 1: Identification****1.1. Identification**

Trade name : SENSENE™ Modified Alcohol Solvent

**1.2. Recommended use and restrictions on use**

Recommended use : Use in textile cleaning - industrial use

**1.3. Supplier**

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[service@safechem.com](mailto:service@safechem.com)

**1.4. Emergency telephone number**

Emergency number : +1 202 464 2554 (NCEC, National Chemical Emergency Centre)  
+1 866 928 0789 (Toll free)

**SECTION 2: Hazard(s) identification****2.1. Classification of the substance or mixture****GHS-US classification**

Flammable liquids, Category 4  
Aspiration hazard Category 1

Combustible liquid  
May be fatal if swallowed and enters airways

**2.2. GHS Label elements, including precautionary statements****GHS-US labeling**

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : Combustible liquid  
May be fatal if swallowed and enters airways

Precautionary statements (GHS-US) : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If swallowed: Immediately call a poison center/doctor  
Do NOT induce vomiting  
In case of fire: Use media other than water to extinguish.  
Store in a well-ventilated place. Keep cool.  
Store locked up  
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

**2.3. Other hazards which do not result in classification**

No additional information available

**2.4. Unknown acute toxicity (GHS US)**

Not applicable

**SECTION 3: Composition/Information on ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**

# SENENE™ Modified Alcohol Solvent

## Safety Data Sheet

According to HCS-2012 APPENDIX D TO §1910.1200

Name	Product identifier	%	GHS- classification
Modified alcohol	Trade Secret	>= 50.00 - < 70.00	NA
Naphtha (petroleum), hydrotreated heavy	(CAS-No.) 64742-48-9	> 30.00 – <= 50.00	Asp. Tox. 1; H304

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : 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. .
- First-aid measures 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. When giving mouth-to-mouth resuscitation first aider should take precautions to protect himself using a mask. Take medical treatment. .
- First-aid measures after skin contact : Wash immediately with plenty of water for several minutes. Consult a doctor if skin irritation persists.
- First-aid measures after eye contact : 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 immediate ophthalmic treatment. .
- First-aid measures after ingestion : Rinse out mouth and give plenty of water or milk to drink. Do not induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after ingestion : In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
- Unsuitable extinguishing media : high volume water jet.

#### 5.2. Specific hazards arising from the chemical

- Fire hazard : Combustible liquid.
- Reactivity : In the event of fire, the following can be released: Carbon monoxide and carbon dioxide

#### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information, refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment. Do not discharge waste into drains.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Prevent spread over a wide area (by containment with sand or earth). Contain and collect spillage with noncombustible 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.
- Other information : Dispose of materials or solid residues at an authorized site.

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According to HCS-2012 APPENDIX D TO §1910.1200

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
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. Provide eye wash fountain in work area. Have emergency shower available.  
Keep away from sources of heat and ignition. Take precautionary measures against static charges.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.  
Containers which are opened must be carefully closed and kept upright to prevent leakage.  
Inappropriate material aluminium

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Exposure limits are listed below, if they exist.

Component	Regulation	Type of listing	Value/Notation
Naphtha (petroleum), hydrotreated heavy	OSHA Z-1	TWA	2,000 mg/m <sup>3</sup> 500 ppm

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Materials for protective clothing:

Chemical-resistant work clothes.

#### 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 workstation 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

#### Eye protection:

Tightly fitting safety glasses (EN 166) .

#### Skin and body protection:

Chemical-resistant work clothes.

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### 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

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless
Odor	: Mild
Odor threshold	: No data available
pH	: No data available
pH solution	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 180 °C (760 mm Hg)
Critical temperature	: No data available
Critical pressure	: No data available
Flash point	: 65 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: 0.054 kPa (20 °C)
Vapor pressure at 50 °C	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.839 (20 °C)
Relative density of saturated gas/air mixture	: No data available
Specific gravity / density	: No data available
Relative gas density	: No data available
Solubility	: 0.5 % in water (20 °C)
Log Pow	: 0.42 (Modified alcohol)
Auto-ignition temperature	: 236°C (DIN EN 14522)
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: LEL: 0.6 % VOL UEL: 7.0 % VOL
Explosive properties	: Product does not present an explosion hazard.
Oxidizing properties	: Not oxidizing

### 9.2. Other information

Bulk density : No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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According to HCS-2012 APPENDIX D TO §1910.1200

### 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 toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

Modified Alcohol	
LD50 oral rat	3300 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
LD50 inhalational rat	> 5.25 mg/l/4 h
Naphtha (petroleum), hydrotreated heavy	
LD50 oral rat	>5000 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg bodyweight

Skin corrosion/irritation : Not classified  
pH: no data available  
Serious eye damage/irritation : Not classified  
pH: no data available  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
Specific target organ toxicity – single exposure : Not classified  
Specific target organ toxicity – repeated exposure : Not classified  
Aspiration hazard : May be fatal if swallowed and enters airways.  
Symptoms/effects after ingestion : Risk of lung edema.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

### 12.2. Persistence and degradability

SENENE™ Modified Alcohol Solvent	
Persistence and degradability	Modified alcohol: Value: 18 - 32 % Duration: 28 day(s) Method: OECD 301 B  Value 25 % Duration 28 day(s) Method OECD 302 B

### 12.3. Bioaccumulative potential

SENENE™ Modified Alcohol Solvent	
Log Pow	0.42 (Modified alcohol)
Log Kow	no data available

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According to HCS-2012 APPENDIX D TO §1910.1200

SENSENE™ Modified Alcohol Solvent	
Bioaccumulative potential	No information available.

### 12.4. Mobility in soil

SENSENE™ Modified Alcohol Solvent	
Ecology - soil	No information available.

### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.  
GWPmix comment : No known effects from this product.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not applicable

### Transportation of Dangerous Goods

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Modified alcohol

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Naphtha (petroleum), hydrotreated heavy (64742-48-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

Not applicable

#### EU-Regulations

Not applicable

#### National regulations

Not applicable

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

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Full text of H-phrases:

H227	Combustible liquid
H304	May be fatal if swallowed and enters airways

SDS US (GHS HazCom 2012)

*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*