

SMOKE AND CLEANING FLUID

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Issue date: 4/20/2013 Revision date: 2/12/2026 Version: 2.0

SDS No: 11718-0001

SECTION 1 Identification

1.1. Product identifier

Product form : Substance
Substance name : SMOKE AND CLEANING FLUID

1.2. Other means of identification

No additional information available.

1.3. Recommended use of the chemical and restrictions on use

Intended for general public
Recommended use : Smoke and cleaning fluid

1.4. Supplier's details

Supplier

Massoth Systems GmbH

Frankensteiner Str. 28

Seeheim, 64342

Germany

T +49 (0)6151 35077-0

info@massoth.de - www.massoth.de

E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

1.5. Emergency phone number

Emergency number : +49 (0)6151 35077-0

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquid, Category 4

H227

Combustible liquid.

Aspiration hazard, Category 1

H304

May be fatal if swallowed and enters airways.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US)

:



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H227 - Combustible liquid

H304 - May be fatal if swallowed and enters airways

Precautionary statements (GHS US)

: P102 - Keep out of reach of children.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 - Wear protective gloves.

P301+P310 - If swallowed: Immediately call a poison center or doctor.

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P331 - Do NOT induce vomiting.
P403 - Store in a well-ventilated place.
P405 - Store locked up.
P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available.

2.4. Hazards not otherwise classified

No additional information available.

2.5. Unknown acute toxicity

No additional information available.

SECTION 3 Composition/information on ingredients

Substances

Name : SMOKE AND CLEANING FLUID

Name	Product identifier	%	GHS US classification
Hydrocarbons, C11-C13, iso-alkanes, <2% aromatics	-	100	Flam. Liq. 4, H227 Asp. Tox. 1, H304

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

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : Take off immediately all contaminated clothing.
First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. Take medical advice.
First-aid measures after skin contact : Wash off immediately with soap and plenty of water. Get medical advice if skin irritation persists.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a specialist.
First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms/effects, acute and delayed

Potential Adverse human health effects and symptoms : Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact : Mild eye irritation.
Symptoms/effects after ingestion : May be fatal if swallowed and enters airways.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treatment : Treat symptomatically. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.

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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam, carbon dioxide (CO₂), powder, hazy water.
Unsuitable extinguishing media : Strong water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Combustible liquid.
Explosion hazard : Product is not explosive. Explosive vapor/air mixtures may be formed.
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂), fume.

5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire : Cool endangered containers with water spray jet.
Firefighting instructions : Fight fire from safe distance and protected location.
Protection during firefighting : Self-contained breathing apparatus. Complete protective clothing.
Other information : Collect contaminated fire-fighting water, avoid any release into the sewerage. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate personnel to a safe area. Ensure adequate ventilation, especially in confined areas.

For non-emergency personnel

Protective equipment : Wear personal protective equipment.
Emergency procedures : Eliminate all ignition sources if safe to do so. In case of vapor formation use adequate respirator.
Avoid contact with skin and eyes.

For emergency responders

Protective equipment : Use self-contained breathing apparatus and chemically protective clothing.

Environmental precautions : Dam up the solid spill. Prevent entry to sewers and public waters. Avoid sub-soil penetration.

6.2. Methods and materials for containment and cleaning up

For containment : Dike and contain spill.
Methods for cleaning up : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Other information : Shovel or sweep up and put in a closed container for disposal.

Refer to protective measures listed in Sections 7 and 8. For disposal of residues refer to section 13 : Disposal considerations" .

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing. Do not breathe vapors. Do not eat, drink or smoke when using this product.
Hygiene measures : Wash hands before breaks and at the end of workday.
Additional hazards when processed : The vapors are denser than air and may travel along the ground. Distance ignition possible.
vapor could form explosive mixture with air.

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7.2. Conditions for safe storage, including incompatibilities

Technical measures	: Ensure adequate ventilation, especially in confined areas. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Storage conditions	: Store tightly closed in a dry and cool place. Keep away from heat and direct sunlight.
Incompatible products	: Oxidizing agent.
Information on mixed storage	: Keep away from food, drink and animal feeding stuffs.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Monitoring methods	
Monitoring methods	A specific exposure sampling method is not available.
Biological monitoring methods	A specific exposure sampling method is not available

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure adequate ventilation, especially in confined areas.
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8.3. Individual protection measures, such as personal protective equipment

Hand protection:

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration
Chemically resistant protective gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0,4	

Eye protection:

Type	Field of application	Characteristics
Protective goggles (EN 166)	Liquid splashes may occur	

Skin and body protection:

Type
Long sleeved protective clothing

Respiratory protection:

Device	Filter type	Condition
breathing apparatus with filter	Type A - High-boiling (>65 °C) organic compounds	In the event of insufficient ventilation:

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless
Odor	: weak

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Odor threshold	: No data available.
pH	: No data available.
Melting point	: No data available.
Freezing point	: No data available.
Boiling point	: 188 – 210 °C [ASTM D86]
Flash point	: 68 °C [ASTM D-93]
Flammability	: No data available.
Vapor pressure	: 0.4 hPa (20°C)
Relative vapor density at 20°C	: 5.7
Relative density	: No data available.
Density	: 0.76 g/cm ³ (15°C)
Solubility	: Water: g/l Negligible
Log Pow	: No data available.
Auto-ignition temperature	: 222 °C [ASTM E659]
Decomposition temperature	: No data available.
Viscosity, kinematic	: No data available.
Explosion limits	: Lower explosive limit (LEL): 0.6 Vol-% Upper explosive limit (UEL): 6.8 Vol-%
Explosive properties	: Product is not explosive. Explosive vapor/air mixtures may be formed.
Oxidizing properties	: Not oxidising.
Particle characteristics	: No data available.

9.2. Data relevant with regard to physical hazard classes (supplemental)

VOC content : 100 %

SECTION 10 Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reacts with oxidants.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid the build-up of electrostatic charge.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

No hazardous decomposition products known. Thermal decomposition generates : Carbon oxides (CO, CO₂).

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: No data available. (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: No data available. (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: No data available. (Based on available data, the classification criteria are not met)

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Skin corrosion/irritation	: No data available. (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: No data available. (Based on available data, the classification criteria are not met)
Respiratory or skin sensitization	: No data available. (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: No data available. (Based on available data, the classification criteria are not met)
Carcinogenicity	: No data available. (Based on available data, the classification criteria are not met)
Reproductive toxicity	: No data available. (Based on available data, the classification criteria are not met)
STOT-single exposure	: No data available. (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: No data available. (Based on available data, the classification criteria are not met)
Aspiration hazard	: May be fatal if swallowed and enters airways.
Potential Adverse human health effects and symptoms	: Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Mild eye irritation.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways.

SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	: No data available. (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: No data available. (Based on available data, the classification criteria are not met)

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. Other adverse effects

Ozone	: No data available. (Based on available data, the classification criteria are not met)
Fluorinated greenhouse gases	: No

SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Can be incinerated according to local regulations.
Sewage disposal recommendations	: Do not allow into drains or water courses.
Product/Packaging disposal recommendations	: Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Non-contaminated packages may be recycled.

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

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DOT	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Transport in bulk

Not applicable.

14.7. Special precautions for user

DOT
Not regulated

IMDG
Not regulated

IATA
Not regulated

Other applicable information : NA 1993 not applicable for packing size <450 L

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

No additional information available.

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)
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Other information : Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

Full text of H-phrases	
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways

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 therefore not be construed as guaranteeing any specific property of the product.