# Safety Data Sheet
**according to 1907/2006/EC, Article 31**

*Printing date 14.07.2010* *Revision: 14.07.2010*

## 1 Identification of substance

**Product details**

**Trade name** ***Methyl salicylate***

**Stock number:** A10578, L03898

**Manufacturer/Supplier:**
Alfa Aesar GmbH & Co.KG
Benzstrasse 3
D-76185 Karlsruhe / Germany
E-mail: gcat@matthey.com
www.alfa-chemcat.com

**Informing department:** Product safety department.

**Emergency information:**
Giftnotruf Universität Mainz / Poison Information Center Mainz
www.giftinfo.uni-mainz.de Telefon:+49(0)6131/19240

## 2 Hazards identification

**Hazard designation:**

Xn Harmful

**Information pertaining to particular dangers for man and environment**

R 22 Harmful if swallowed.
R 36/37/38 Irritating to eyes, respiratory system and skin.

**GHS label elements**

**Warning**

H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.

**Prevention:** P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

**Response:**
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see on this label).

**Storage:** P405 Store locked up.

**Disposal:** P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## 3 Composition/information on ingredients

**Chemical characterization:**

**Designation: (CAS#)** Methyl salicylate (CAS# 119-36-8)

**Identification number(s):**

**EINECS Number:** 204-317-7

## 4 First aid measures

**After inhalation** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. Seek immediate medical advice.

**After skin contact** Instantly wash with water and soap and rinse thoroughly. Seek immediate medical advice.

**After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

**After swallowing** Seek immediate medical advice.

## 5 Fire fighting measures

**Suitable extinguishing agents** $CO_2$, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

**Special hazards caused by the material, its products of combustion or flue gases:** Can be released in case of fire:
Carbon monoxide and carbon dioxide

**Protective equipment:** Wear self-contained breathing apparatus.
Wear full protective suit.

## 6 Accidental release measures

**Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation

**Measures for environmental protection:** Do not allow material to be released to the environment without proper governmental permits.

**Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.

**Additional information:** See Section 7 for information on safe handling
See section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

## 7 Handling and storage

**Handling**

**Information for safe handling:** Keep containers tightly sealed.
Store in cool, dry place in tightly closed containers.
Ensure good ventilation/exhaustion at the workplace.

**Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.

**Storage**

**Requirements to be met by storerooms and containers:** No special requirements.

**Information about storage in one common storage facility:** Store away from oxidizing agents.

**Further information about storage conditions:** Keep container tightly sealed.
Store in cool, dry conditions in well sealed containers.

## 8 Exposure controls and personal protection

**Additional information about design of technical systems:** Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

**Components with critical values that require monitoring at the workplace:** Not required.

**Additional information:** No data

**Personal protective equipment**

**General protective and hygienic measures** The usual precautionary measures should be adhered to in handling the chemicals.
Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.

(Contd. on page 2)

**Safety Data Sheet**
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(Contd. of page 1)

Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
**Breathing equipment:** Use breathing protection with high concentrations.
**Protection of hands:** Check protective gloves prior to each use for their proper condition.
**Material of gloves** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Impervious gloves
**Penetration time of glove material** Not determined
**Eye protection:** Safety glasses
Face protection
**Body protection:** Protective work clothing.

## 9 Physical and chemical properties:

**General Information**

**Form:** Liquid
**Colour:** Colourless
**Smell:** Characteristic

**Change in condition**
**Melting point/Melting range:** -9°C
**Boiling point/Boiling range:** 224°C
**Sublimation temperature / start:** Not determined

**Flash point:** 99°C

**Ignition temperature:** 450°C

**Decomposition temperature:** Not determined

**Danger of explosion:** Product is not explosive.

**Critical values for explosion:**
**Lower:** 1.3 Vol %
**Upper:** Not determined

**Steam pressure at 20°C:** 0.13 hPa

**Density at 20°C** 1.174 g/cm³

**Solubility in / Miscibility with**
**Water at 20°C:** 0.7 g/l

## 10 Stability and reactivity

**Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
**Materials to be avoided:** Oxidizing agents
**Dangerous reactions:** No dangerous reactions known
**Dangerous products of decomposition:** Carbon monoxide and carbon dioxide

## 11 Toxicological information

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:**

| | | |
|---|---|---|
| Oral | LD50 | 1110 mg/kg (mouse)<br>887 mg/kg (rat) |
| Dermal | LD50 | >5000 mg/kg (rabbit) |
| Irritation of skin | moderate | 500 mg/24H (rabbit) |
| Irritation of eyes | moderate | 500 mg/24H (rabbit) |

**Primary irritant effect:**
**on the skin:** Irritant for skin and mucous membranes.
**on the eye:** Irritant effect.
**Sensitization:** No sensitizing effect known.
**Other information (about experimental toxicology):** Reproductive effects have been observed on tests with laboratory animals.
**Additional toxicological information:** To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.
No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

## 12 Ecological information:

**Additional ecological information:**
**General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Do not allow material to be released to the environment without proper governmental permits.

## 13 Disposal considerations

**Product:**
**Recommendation** Consult state, local or national regulations for proper disposal.
Hand over to disposers of hazardous waste.
Must be specially treated under adherence to official regulations.

**Uncleaned packagings:**
**Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

**Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
**ADR/RID-GGVS/E Class:** None

**Maritime transport IMDG/GGVSea:**
**IMDG/GGVSea Class:** None
**Marine pollutant:** No

**Air transport ICAO-TI and IATA-DGR:**
**ICAO/IATA Class:** None

**Transport/Additional information:** Not dangerous according to the above specifications.



(Contd. on page 3)

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(Contd. of page 2)

## 15 Regulatory information

**Designation according to EC guidelines:**

**Code letter and hazard designation of product:**

Xn Harmful

**Risk phrases:**

22 Harmful if swallowed.
36/37/38 Irritating to eyes, respiratory system and skin.

**Safety phrases:**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37 Wear suitable protective clothing and gloves.

**National regulations**

**Information about limitation of use:**

Employment restrictions concerning young persons must be observed.
For use only by technically qualified individuals.

**Water hazard class:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

## 16 Other information:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

**Department issuing data specification sheet:** Health, Safety and Environmental Department.
**Contact:** Zachariah Holt
**Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent