

## Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)  
Classifications according to Regulation (EC) No 1272/2008.  
Printdate 01 Jun 2023

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product name:

Sulfallate

### 1.1. Catalog No.:

686601

### 1.2. Relevant identified uses of the substance or mixture

Identified: Laboratory chemical  
uses: R&D

### 1.3. Uses advised against:

HPC Standards GmbH  
Am Wieseneck 7

04451 Cunnersdorf  
Deutschland

Tel. +49 34291 3372-36  
Fax. +49 34291 3372-39  
contact@hpc-standards.com

### 1.4. Emergency telephone number

HPC Standards Tel. +49 34291 3372-36  
This number is only available during office hours.

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008  
Acute toxicity - Oral Category 4 - (H302)  
Carcinogenicity Category 1B - (H350)  
Acute aquatic toxicity Category 1 - (H400)  
Chronic aquatic toxicity Category 1 - (H410)

### 2.2. Label elements

#### 2.2.1. Pictogram



#### 2.2.2.

Signal word  
Danger

**Hazard statements**

H302 - Harmful if swallowed

H350 - May cause cancer

H410 - Very toxic to aquatic life with long lasting effects

**Precautionary Statements - EU (§28, 1272/2008)**

P201 - Obtain special instructions before use

P264 - Wash face, hands and any exposed skin thoroughly after handling

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P391 - Collect spillage

**2.3. Other hazards**

No information available.

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

This product does not contain any known or suspected endocrine disruptors.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### **3.1 Substances**

Chemical name: sulfallate 95-06-7

EC No (EU Index No): (006-038-00-4) 202-388-9

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Acute Tox. 4 (H302), Carc. 1B (H350), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410)

**Acute Toxicity Estimate**

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATE<sub>mix</sub>) for classifying a mixture based on its components

Chemical name: sulfallate 95-06-7

Oral LD50 mg/kg: 850

Dermal LD50 mg/kg: 2200

Inhalation LC50 - 4 hour - dust/mist - mg/L: No data available

Inhalation LC50 - 4 hour - vapour - mg/L: No data available

Inhalation LC50 - 4 hour - gas - ppm: No data available

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

#### **3.1.1. Formula**

C<sub>8</sub>H<sub>14</sub>CIN<sub>2</sub>S

#### **3.1.2. Molecular Weight (g/mol)**

223.79

### 3.1.3. CAS-No.

95-06-7

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General advice

Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.

#### Inhalation

Remove to fresh air.

#### Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.

#### Skin contact

Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.

#### Ingestion

Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

#### Symptoms

No information available.

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

#### Note to doctors

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Large Fire

CAUTION: Use of water spray when fighting fire may be inefficient.

#### Unsuitable extinguishing media

Do not scatter spilled material with high pressure water streams.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical: No information available.

### 5.3. Advice for firefighters

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

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

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

Personal precautions  
Ensure adequate ventilation.

Other information  
Refer to protective measures listed in Sections 7 and 8.

For emergency responders  
Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Environmental precautions  
See Section 12 for additional Ecological Information.

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

Methods for containment  
Prevent further leakage or spillage if safe to do so.

Methods for cleaning up  
Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards  
Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

Reference to other sections  
See section 8 for more information. See section 13 for more information.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing.

#### General hygiene considerations

Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wear suitable gloves and eye/face protection.

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

#### Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Please refer to the manufacturer certificate for specific storage and transport temperature conditions. Store only in the original receptacle unless other advice is given on

the CoA.

### 7.3. Specific end use(s)

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

#### Derived No Effect Level (DNEL)

No information available.

#### Predicted No Effect Concentration (PNEC)

No information available.

### 8.2. Exposure controls

#### Personal protective equipment

##### Eye/face protection

Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

##### Hand protection

Wear suitable gloves. The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374. Polyethylene (PE).

##### Skin and body protection

Wear suitable protective clothing.

##### Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

##### General hygiene considerations

Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wear suitable gloves and eye/face protection.

##### Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state: Liquid

Appearance: Liquid

Colour: dark orange

Odour: Odourless.

Odour threshold: No information available

Property - Values - Remarks o Method

Melting point / freezing point - No data available - None known  
Initial boiling point and boiling range - 128 - 130 °C - None known  
Flammability - No data available - None known  
Flammability Limit in Air - None known  
Upper flammability or explosive limits - No data available  
Lower flammability or explosive limits - No data available  
Flash point - 100 °C - None known  
Autoignition temperature - No data available - None known  
Decomposition temperature - None known  
pH - No data available - None known  
pH (as aqueous solution) - No data available - No information available  
Kinematic viscosity - No data available - None known  
Dynamic viscosity - No data available - None known  
Water solubility - No data available 0.1 g/l - @ 20 °C  
Solubility(ies) - No data available - None known  
Partition coefficient - 3.15 - None known  
Vapour pressure - 0.0022 mmHg @ 20 °C - None known  
Relative density - 1.088 - None known  
Bulk density - No data available  
Liquid Density - No data available  
Relative vapour density - 7.73 - None known  
Particle characteristics  
Particle Size - No information available  
Particle Size Distribution - No information available

9.2. Other information

Molecular weight: 223.78  
Molecular formula: C8 H14 Cl N S2

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

## 10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity  
No information available.

10.2. Chemical stability

Stability  
Stable under normal conditions.

Explosion data  
Sensitivity to mechanical impact: None.  
Sensitivity to static discharge: None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: None under normal processing.

10.4. Conditions to avoid

Conditions to avoid  
None known based on information supplied.

10.5. Incompatible materials

Incompatible materials  
None known based on information supplied.

Hazardous decomposition products

None known based on information supplied

## 11. TOXICOLOGICAL INFORMATION

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

#### Information on likely routes of exposure

##### Product Information

##### Inhalation

Specific test data for the substance or mixture is not available.

##### Eye contact

Specific test data for the substance or mixture is not available.

##### Skin contact

Specific test data for the substance or mixture is not available.

##### Ingestion

Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components).

#### Symptoms related to the physical, chemical and toxicological characteristics

##### Symptoms

No information available.

#### Numerical measures of toxicity

##### Acute toxicity

##### Component Information

Chemical name: sulfallate

Oral LD50: = 850 mg/kg ( Rat )

Dermal LD50: = 2200 mg/kg ( Rabbit )

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

##### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

##### Serious eye damage/eye irritation

No information available.

##### Respiratory or skin sensitisation

No information available.

##### Germ cell mutagenicity

No information available.

##### Carcinogenicity

Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The section below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name: sulfallate

European Union: Carc. 1B

##### Reproductive toxicity

No information available.

##### STOT - single exposure

No information available.

##### STOT - repeated exposure

No information available.

##### Aspiration hazard

No information available.

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

##### Endocrine disrupting properties

No information available.

#### 11.2.2. Other information

##### Other adverse effects

No information available.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Fish: LC50: = 1.15 mg/L ( 96h, *Oncorhynchus mykiss* )

### 12.2. Persistence and degradability

#### Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

#### Bioaccumulation

There is no data for this product.

Partition coefficient: 3.15

### 12.4. Mobility in soil

#### Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

#### PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

### 12.6. Endocrine disrupting properties

#### Endocrine disrupting properties

No information available.

### 12.7. Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

#### Contaminated packaging

Do not reuse empty containers

## 14. TRANSPORT INFORMATION

#### IATA

14.1 UN number or ID number: UN3082

14.2 UN proper shipping name: Environmentally hazardous substances, liquid, n.o.s. (sulfallate (ISO))

14.3 Transport hazard class(es): 9

14.4 Packing group: III

Description: UN3082, Environmentally hazardous substances, liquid, n.o.s. (sulfallate (ISO)), 9, III

14.5 Environmental hazards: Yes

14.6 Special precautions for user:

Special Provisions A97, A158, A197

ERG Code 9L



#### IMDG

14.1 UN number or ID number: UN3082  
14.2 UN proper shipping name: Environmentally hazardous substances, liquid, n.o.s. (sulfallate (ISO))  
14.3 Transport hazard class(es): 9  
14.4 Packing group: III  
Description: UN3082, Environmentally hazardous substances, liquid, n.o.s. (sulfallate (ISO)), 9, III, Marine pollutant  
14.5 Marine pollutant: P  
Environmental hazards: Yes  
14.6 Special precautions for user:  
Special Provisions 274, 335, 969  
EmS-No F-A, S-F No information available  
14.7 Maritime transport in bulk according to IMO instruments  
No information available

#### RID

14.1 UN number or ID number: UN3082  
14.2 UN proper shipping name: Environmentally hazardous substances, liquid, n.o.s. (sulfallate (ISO))  
14.3 Transport hazard class(es): 9  
14.4 Packing group: III  
Description: UN3082, Environmentally hazardous substances, liquid, n.o.s. (sulfallate (ISO)), 9, III  
14.5 Environmental hazards: Yes  
14.6 Special precautions for user:  
Special Provisions 274, 335, 375, 601  
Classification code M6

#### ADR

14.1 UN number or ID number: UN3082  
14.2 UN proper shipping name: Environmentally hazardous substances, liquid, n.o.s. (sulfallate (ISO))  
14.3 Transport hazard class(es): 9  
14.4 Packing group: III  
Description: UN3082, Environmentally hazardous substances, liquid, n.o.s. (sulfallate (ISO)), 9, III, (-)  
14.5 Environmental hazards: Yes  
14.6 Special precautions for user:  
Special Provisions 274, 335, 601, 375  
Classification code M6  
Tunnel restriction code (-)

## 15. REGULATORY INFORMATION

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

Water hazard class (WGK): strongly hazardous to water (WGK 3)

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

#### Authorisations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

DIRECTIVE (EU) 2021/1187 on the marketing and use of explosives precursors

Not applicable

Restricted substance per REACH Annex XVII: 28. 75.

#### Persistent Organic Pollutants

Not applicable

#### Dangerous substance category per Seveso Directive (2012/18/EU)

E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

#### Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

#### International Inventories

TSCA Complies under research and development exemption or is regulated by a different government agency.

DSL/NDL Contact supplier for inventory compliance status

EINECS/ELINCS Contact supplier for inventory compliance status  
ENCS Contact supplier for inventory compliance status  
IECSC Contact supplier for inventory compliance status  
KECL Contact supplier for inventory compliance status  
PICCS Contact supplier for inventory compliance status  
AIIIC Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report

A Chemical Safety Assessment is not required for this substance

## 16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. For lab use only!