

Safety Data Sheet

acc. to OSHA HCS

Printing date 20/01/2025

Reviewed on 20/01/2025

1 Identification

- **Product identifier**
- **Trade name:** Acetylsalicylic Acid
- **SKU:** CHE-A85
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 RLS Chemicals
 32 Main Reef Road
 Benrose, Johannesburg
 2094
- **Emergency telephone number:**
 Spill Tech: 086 100 0366
 Emergency: 010 448 3426



**REFLECTA
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SUPPLIES**

Johannesburg | Cape Town | Mozambique

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

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

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**
 Acetic Acid, Glacial
- **Hazard statements**
 Flammable liquid and vapor.

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Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dusts or mists.

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a poison center/doctor.

Specific treatment (see on this label).

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Chemical characterization: Substances**

CAS: 50-78-2	Acetylsalicylic Acid	100%
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4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Use appropriate fire suppression agents for adjacent combustible materials or source of ignition
hazards arising from the substance or mixture
Not applicable.
- **Advice for firefighters**
- **Protective equipment:** Wear protective eye wear, gloves and clothing.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	Acetylsalicylic acid	50-78-2	8 hr Time-Weighted Avg: 5 mg/m ³
Canada	Acetylsalicylic acid	50-78-2	8 hr Time-Weighted Avg: 5 mg/m ³
Australia	Acetylsalicylic acid	50-78-2	8 hr Time-Weighted Avg: 5 mg/m ³
Austria	Acetylsalicylic acid	50-78-2	8 hr Time-Weighted Avg: 5 mg/m ³
Denmark	Acetylsalicylic acid	50-78-2	8 hr Time-Weighted Avg: 5 mg/m ³
Latvia	Acetylsalicylic acid	50-78-2	8 hr Time-Weighted Avg: 5 mg/m ³
United Kingdom	Acetylsalicylic acid	50-78-2	8 hr Time-Weighted Avg: 5 mg/m ³

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.

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- **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:

Powder

Color:

Not applicable.

- **Odor:**

Odorless

- **Odor threshold:**

Not determined.

- **pH-value at 20 °C (68 °F):**

3.5 at 2.5g/l at 20 °C (68 °F)

- **Change in condition**

Melting point/Freezing Point:

134-136 °C (273-277 °F)

Boiling point/Boiling range:

Undetermined.

- **Flash point:**

250 °C (482 °F)

- **Flammability (solid, gaseous):**

Not applicable.

- **Auto igniting:**

485 °C (905 °F)

- **Decomposition temperature:**

140 °C (284 °F)

- **Ignition temperature:**

Not applicable.

- **Danger of explosion:**

Not applicable.

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- | | |
|--|--|
| · Explosion limits: | |
| Lower: | Not applicable |
| Upper: | Not applicable |
| · Vapor pressure at 20 °C (68 °F): | Not applicable |
| · Density: | 1.4 g/cm ³ |
| · Relative density | Not determined. |
| · Vapor density | Not determined. |
| · Evaporation rate | Not determined. |
| · Solubility: | 2.5 g/l (15 °C) |
| · Partition coefficient (n-octanol/water): log pow: | 1.19 |
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · Solvent content: | |
| Organic solvents: | Not applicable. |
| Water: | Not applicable |
| VOC content: | Not applicable. |
| Solids content: | 0.0 % |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity** Does not react under normal conditions of use and storage.
- **Chemical stability:** Stable under normal conditions of use and storage.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Incompatible materials and strong oxidants.
- **Incompatible materials:** Strong alkali, hydrolyzes in moist air and decomposes in hot water.
- **Hazardous decomposition products:** Oxides of carbon.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

Substance Data:

Name	Result
Acetylsalicylic Acid	Cause skin irritation.

- **Primary irritant effect:**
- **on the skin:** Causes skin irritation.
- **on the eye:**
Serious eye damage/irritation
- **Sensitization:** Causes skin irritation

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- **Additional toxicological information:**
Harmful if swallowed.
- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)
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None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)
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None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bio accumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
None.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging's:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

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14 Transport information

· UN-Number
· DOT, IMDG, IATA UN2811

· UN proper shipping name
· DOT Acetylsalicylic Acid
· IMDG, IATA Acetylsalicylic Acid

· Transport hazard class(es)
· DOT



· Class 6.1
· Label 6.1

· IMDG, IATA



· Class 6.1
· Label 6.1

· Packing group
· DOT, IMDG, IATA III

· Environmental hazards:
· Marine pollutant: None

· Special precautions for user None
· Hazard identification number (Kemler code): Not applicable
· EMS Number: Not applicable
· Segregation groups Not applicable
· Stowage Category Not applicable

· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information:

· DOT
· Quantity limitations Not applicable
Not applicable

· IMDG
· Limited quantities (LQ) Not applicable
· Excepted quantities (EQ) Not applicable

· UN "Model Regulation": UN 2811 Acetylsalicylic Acid, 6.1, III

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15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

Acetylsalicylic Acid

ACTIVE

- **Hazardous Air Pollutants**

None of the ingredients is listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**

Acetylsalicylic Acid

- **Hazard statements**

Harmful if swallowed

May cause respiratory irritation

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· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Keep container tightly closed.
 Ground/bond container and receiving equipment.
 Use explosion-proof electrical/ventilating/lighting/equipment.
 Use only non-sparking tools.
 Take precautionary measures against static discharge.
 Do not breathe dusts or mists.
 Wash thoroughly after handling.
 Contaminated work clothing must not be allowed out of the workplace.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If swallowed: Rinse mouth. Do NOT induce vomiting.
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing.
 Immediately call a poison center/doctor.
 Specific treatment (see on this label).
 If skin irritation or rash occurs: Get medical advice/attention.
 Wash contaminated clothing before reuse.
 In case of fire: Use CO₂, powder or water spray to extinguish.
 Store in a well-ventilated place. Keep cool.
 Store locked up.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Environment protection department.
- **Date of Preparation / Last Revision:**
- **Date of preparation / last revision**
- Creation date for SDS. 22/11/2018 STN
- Revision 1.0, 19/03/2020: Reviewed SDS for accuracy. MH/STN
- Revision 1.1, 06/03/2024 Reviewed SDS for accuracy. MH/STN
- Revision 1.2, 20/01/2025: Reviewed SDS for accuracy. STN