SAFETY DATA SHEET
99.9%
SALICYLIC ACID

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. PRODUCT IDENTIFIER

Product name:	Salicylic Acid
Product No.:	SAL
CAS-No.:	69-72-7
EC No.:	200-712-3
REACH No.:	01-2119486984-17
Synonym:	2-Hydroxybenzoic acid
Chemical Formula:	$C_7H_6O_3$

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Recommended use: Laboratory chemicals,

In the industrial manufacturing,

In pharmaceuticals,

As an added ingredient for peels, creams, soap making, shampoo and in personal care products,

In the mining (without offshore industries),

As an added polishes and wax blends and cleaning products (including solvent based products),

As a food preservative, a bactericidal and an antiseptic.

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

HD Chemicals LTD
UNIT 9 Scott Business Park
PL2 2PB Plymouth UK

Contact Person responsible for SDS: Mr Peter Konefal, e-mail: contact@hdchemicals.co.uk

SECTION 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification 67/548/EEC: Xn; R22, Xi; R41

Classification – EC 1272/2008: Acute toxicity, Oral; Category 4 (H302)

Serious Eye Damage; Category 1 (H318)

2.2. LABEL ELEMENTS

SIGNAL WORDS

Danger

RISK PHRASES

R22	Harmful if swallowed
R41	Risk of serious damage to eyes

HAZARD PHRASES

H302	Harmful if swallowed
H318	Causes serious eye damage

PROTECTION PHRASES

P264	Wash exposed skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection
P310	Immediately call a POISON CENTER or doctor/ physician
P330	Rinse mouth

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P501	Dispose of contents/container to comply with local, state and federal regulations

SAFETY PHRASES

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S37/39	Wear suitable gloves and eye/face protection

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

67/548/EEC/1999/45/EC

Composition information – main constituents						
Substance name	**Mol. Formula**	**REACH**	**Typical conc. (%w/w)**	**EINECS No.**	**CAS-No.**	**Classification**
Salicylic Acid	$C_7H_6O_3$	01-2119532646-36	99.9%	200-712-3	69-72-7	Xn; R22, Xi; R41

EC 1272/2008

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SECTION 4: FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

First-aid measures general: If you feel unwell, seek medical advice.

Inhalation: Move to fresh air. Do not use mouth-to-mouth method if victim ingested or inhaled the substance. If not breathing, give artificial respiration. Get medical attention.

Ingestion: DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly. Seek medical attention.

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash off immediately with plenty of soap and water for at least 15 minutes. Seek medical attention if irritation or symptoms persist.

Eye contact: May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Inhalation: Inhalation of dust may cause irritation of the respiratory system.

Ingestion: Abdominal pain, nausea, vomiting, spasms, vertigo, impaired consciousness, circulatory collapse.

Skin contact: Causes slight to moderate irritation.

Eye contact: Causes serious eye damage. Risk of blindness.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically

SECTION 5: FIREFIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, carbon dioxide (CO_2), dry chemical, foam.

Unsuitable extinguishing media: Do not use water jet.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Dust can form an explosive mixture in air. Fine dust dispersed in air may ignite. Thermal decomposition can lead to release of irritating gases and vapours: carbon monoxide, carbon dioxide. Keep product and empty container away from heat and sources of ignition.

5.3. ADVICE FOR FIRE-FIGHTERS

Fight fire with normal precautions from a reasonable distance. Wear suitable respiratory equipment and full protective gear when necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear suitable protective equipment. Avoid breathing vapours, mist or gas. Avoid formation of dust. Ensure adequate ventilation of the working area. Avoid contact with skin, eyes and clothing.

6.2. ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Prevent further spillage if safe. Use sand or soil to contain the loss of product.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Avoid dust formation. Absorb into dry earth or sand. Sweep up or vacuum up spillage and collect. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Ensure adequate ventilation.

SECTION 7: HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Handle in accordance with good industrial hygiene and safety practice. Never carry a bottle by its top. Avoid direct contact with the substance. Avoid formation of dust. Ensure adequate ventilation of the working area. Do not handle in a confined space. Wear personal protective equipment. Avoid contact with eyes and skin. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

For precautions see section 2.2.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Keep away from direct sunlight. Keep away from food, drink and feed.

7.3. SPECIFIC END USE(S)

See section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS/EXPOSURE GUIDELINES

Occupational Exposure Limit Values (Salicylic Acid):

CAS NO	Exposure limit	Value	Name of Agent
69-72-7	TWA – 8 Hrs	4 mg/m^3	dust
69-72-7	STEL – 15 Min	10 mg/m^3	dust

Engineering controls: Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands before breaks and at the end of the working day.


EYE PROTECTION


FACE SHIELD


RESPIRATOR


PROTECTION WEAR


HAND PROTECTION

Protective equipment: Use protective goggles (European standard - EN 166), gloves (European standard - EN 374) and protective clothes to prevent skin, body and eyes exposure.

Respiratory equipment: Use a respirator with an approved filter if a risk assessment indicates this is necessary. Handling product in bulk: Respirator with a particle filter (EN 143).

Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure. Gloves must be inspected prior to use. Ensure gloves are suitable for the task: chemical compatability, dexterity, operational conditions. Use proper

glove removal technique (without touching glove's outer surface) to avoid skin contact.

Eye/Face protection: Wear appropriate well-fitting protective eye glasses or chemical safety goggles as described by EN166 (EU Standard). Ensure eye bath is to hand.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid
Colour:	White
Odour:	Odourless
Initial boiling point (°C):	No data available
Melting point (°C):	158-160°C
Freezing point:	No data available
Relative density:	1.44 g/cm^3
Specific gravity / density:	Not available
Vapour density:	Not available
Vapour pressure:	Not available
Flash point (°C):	Not available
Molecular mass:	138.12 g/mol
Auto-ignition temperature:	Not applicable
Oxidizing properties:	Not available
Decomposition temperature:	Not available
Molecular formula:	$C_7H_6O_3$

SECTION 10: STABILITY AND REACTIVITY

10.1. REACTIVITY

Salicylic Acid is not reactive under normal ambient conditions.

10.2. CHEMICAL STABILITY

This product is stable under normal temperature conditions and under recommended usage and storage.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

Dust explosibility. In case of warming: Vapours can form explosive mixtures with air.

10.4. CONDITIONS TO AVOID

Avoid dust formation, moisture and light. Keep away from heat, direct sunlight and sources of ignition. Keep away from food, drink and feed.

10.5. INCOMPATIBLE MATERIALS

Strong oxidizing agents.

10.6. HAZARDOUS DECOMPOSITION

Thermal decomposition can lead to release of irritating gases and vapours: carbon monoxide, carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

TOXIC DOSE	**LD50 Oral – Rat – 891 mg/kg**
	LD50 Dermal – Rat – > 2 mg/kg
	LC50 Inhalation – Rat – > 0.9 mg/l (1h)
Inhalation:	Inhalation of dust may cause irritation of the respiratory system.
Ingestion:	Abdominal pain, nausea, vomiting, spasms, vertigo, impaired consciousness, circulatory collapse.
Skin contact:	Causes slight to moderate irritation
Eye contact:	Causes serious eye damage. Risk of blindness.

SECTION 12: ECOLOGICAL INFORMATION

12.1. TOXICITY

Aquatic Toxicity:

Toxicity to freshwater fish:	LC50: 1.380 mg/l, 96h (Fathead minnow)
	LC50: 90 mg/l, 48h (Leuciscus idus)
Toxicity to water flea:	EC50: 105 mg/l, 24h (Daphnia magna)

12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation is unlikely.

12.4. Mobility

The product is water soluble, and may spread in water systems Will likely be mobile in the environment due to its water solubility. Highly mobile in soils.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal recommendations: Disposal of salicylic acid should be in accordance with local and national legislation. Processing, use or contamination of this product may change the waste management options. Should not be released into the environment. Dispose of container and unused contents in accordance with applicable member state and local requirements. Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

Uncleaned packaging: Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

IMDG

UN number	N/A
UN proper shipping name	N/A
Transport hazard class(es)	N/A
Packing group	N/A

ADR/RID

UN number	N/A

UN proper shipping name	N/A
Transport hazard class(es)	N/A
Packing group	N/A

IATA

UN number	N/A
UN proper shipping name	N/A
Transport hazard class(es)	N/A
Packing group	N/A

SECTION 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2 CHEMICAL SAFETY ASSESSMENT

Chemical safety Assessment has been carried out for this substance.

SECTION 16: OTHER INFORMATION

General information

The information contained in this safety data sheet is provided in accordance with the requirements of the regulations. The product should not be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instruction. As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

Revision Comments

This information is provided in a revised format to that previously produced.

Revision Date: 01/10/2018

Revision: 01

Safety Data Sheet Status Approved.

Date printed 01/10/2018

Signature Initials P.K.

DISCLAIMER:

If this product is re-distributed and re-formulated for sale, details of its hazards and recommended methods for safe handling must be passed to customers. Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

NOTE:

The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety Legislation (e.g. the Health and Safety at Work Act,1974;the control of Substances Hazardous to Health Regulations,1988). The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.