



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No.: S20371
Product Name: **SALICYLALDEHYDE
(2-HYDROXYBENZALDEHYDE)**

Manufacturer / supplier identification

Company : NICE CHEMICALS PVT.LTD. , Cochin , India
Tel - 0484 2800212 , 2802755

Contact for Information : Tel . No. – 0484 2802536 Fax : 0484 2802483

Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : Salicylaldehyde

CAS-No : 90-02-8 EC-No. 201-961-0
Molar mass : 122.12
Molecular formula : C₇H₆O₂

3. HAZARDS IDENTIFICATION

Harmful in contact with skin and if swallowed. Irritating to eyes and skin.

4. FIRST AID MEASURES

After inhalation : Fresh air.
After skin contact : wash off with plenty of water. Remove contaminated clothing.
After eye contact : Rinse out with water with the eyelid held wide open.
After swallowing : make victim drink plenty of water. Induce vomiting.
Summon doctor.

5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : Water, CO₂, foam, powder.
Special risks : Combustible. Formation of explosive mixtures possible with air.

6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning/absorption : Take up with liquid absorbent material.
Forward for disposal. Clean up affected area..

7. HANDLING AND STORAGE

Handling : No further requirements.
Storage : Tightly closed in a well ventilated place, away from sources of ignition and heat. At +15⁰C to +25⁰C.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when vapours/aerosols are generated.

Eye protection : required

Hand protection : required

Industrial hygiene : Change contaminated clothing. Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
Colour : yellowish
Odour : characteristic
PH value : Not available
Melting temperature : - 7 °C
Boiling temperature : 194 – 197 °C
Ignition temperature : Not available
Flash point : 77 °C
Explosion limits Lower : Not available
Upper : Not available
Vapour pressure (33°C) : 1 hPa
Relative vapour density : Not available
Density (20°C) : 1.17 g/cm³
Solubility in water(20°C) : slightly soluble
ethanol (20°C) : freely soluble

10. STABILITY AND REACTIVITY

Conditions to be avoided : Above melting point.

Substance to be avoided : Fluorine air; violent reactions possible with Strong oxidizing agents, halogens.

Hazardous decomposition products : Toxic vapours, carbon dioxide

Further information : Light sensitive, sublimable ; steam-volatile

11. TOXICOLOGICAL INFORMATION:

Acute toxicity : LD₅₀ (oral, rat): 520 mg/kg, LD₅₀ (dermal, rat): 600 mg/kg
LDL₀ (oral, human): 50 mg/kg.

Further toxicological information : After skin contact : irritant effect.
After eye contact : irritations.



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12. ECOLOGICAL INFORMATION:

Behavior in environmental compartments:

Distribution :logP(oct):1.81; low bioaccumulation potential.

Ecotoxic effect: : Biological effect: Evaluation number (FRG) (mammal): 3.0

Evaluation number (FRG) (bacteria) : 5.0; Evaluation number (FRG) (fish):5.4

Fish toxicity : fish LC₅₀: 1 mg/l Daphnia toxicity Daphina LC₅₀:1 mg/l

Further ecological data : Do not allow to enter water, waste water, soil.

13. DISPOSAL METHOD :

Product

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC Member countries through that you corresponding laws and regulations. We recommend contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Packaging

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. TRANSPORT INFORMATION :

Transport over land ADR/RID and GGVS/GGVE

GGVS/GGVE class : 6.1 Number and letter :25c

ADR/RID class : 6.1 Number and letter :25c

River transport ADN/ADNR : Not examined.

Sea transport IMDG

IMDG class : 6.1 UN No. 2810 Packaging group : III

Ems : 6.1-02 MFAG : 4.2

Correct technical name : TOXIC LIQUID, ORGANIC, N.O.S
(2-HYDROXYBENZALDEHYDE)

Air transport ICAQ-TI and IATA-DGR

ICAQ/IATA class : 6.1 UN/ID No. : 2810 Packaging group : III

Correct technical name : TOXIC LIQUID, ORGANIC, N.O.S
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15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol	:	Xn	Harmful
R-phrases	:	21/22-36/38	Harmful in contact with skin and if swallowed. Irritating to eyes and skin.
S-phrases	:	36/37	Wear suitable protective clothing and gloves.
Water pollution class	:	2	(polluting substance)

16. OTHER INFORMATION

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.