



MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: Identification

1.1 Product identifiers

Product Name : 3,5,6-Trichlorosalicylic acid

Cat No.: B20455

CAS No. : 40932-60-3

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended uses : Laboratory chemicals

Uses advised against: Food, drug, pesticide or biocidal product use.

1.3 Details of the supplier of the safety data sheet

Company : Krishna Solvechem Limited.
B/503, Shayog, S. V. Road,
Kandivali (West), Mumbai – 400067. India.

Telephone : +91-22-6123 0222

Email : exports@kscl.co.in

1.4 Emergency telephone number

Emergency Phone : +91-8657457330

SECTION 2: Hazards identification

2.1 Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Corrosion/Irritation	(Category 2)
Serious Eye Damage/Eye Irritation	(Category 2)
Specific target organ toxicity (single exposure)	(Category 3)
Target Organs - Respiratory system	

2.2 Label elements

Pictogram :



Signal word

Danger



Hazard statement (s)

May cause respiratory irritation
Causes skin irritation
Causes serious eye irritation
Harmful if swallowed

Precautionary statement (s)

Prevention

Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Do not eat, drink or smoke when using this product

IF ON SKIN (or hair):

If skin irritation occurs: Get medical advice/attention
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse

Eyes:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

Store locked up
Store in a well-ventilated place.
Keep container tightly closed

Ingestion:

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.



	Disposal: Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)	None identified.

SECTION 3: Composition / information on ingredients

3.1		
Component	CAS-No	Weight %
Benzoic acid, 2,3,5-trichloro-6-hydroxy	40932-60-3	<=100%

SECTION 4: First aid measures

4.1 Description of first aid measures	
If inhalation :	Remove from exposure, lie down. Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
In case of skin contact :	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
In case of eye contact :	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Ingestion :	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.
4.2 Most important symptoms and effects :	None reasonably foreseeable.
4.3 Notes to Physician :	Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media	
Unsuitable Extinguishing Media	No information available
5.2 Flash Point :	No information available
Method :	No information available



Autoignition Temperature:	No information available
Explosion Limits:	
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available
Specific Hazards Arising from the Chemical	Keep product and empty container away from heat and sources of ignition. .
Hazardous Combustion	None known.
Products :	

5.4 Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA:

Health	Flammability	Instability	Physical hazards
2	0	0	N/A

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment as required.

6.2 Environmental precautions

See section 12 for additional Ecological information

6.3 Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal. Sweep up and shovel into suitable containers for disposal

SECTION 7: Handling and storage

7.1 Precautions for safe handling



Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid ingestion and inhalation. Do not get in eyes, on skin, or on clothing. Avoid dust formation

7.2 Conditions for safe storage

Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1 Exposure Guidelines

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

Engineering Measures

None under normal use conditions. Ensure that eyewash stations and safety showers are close to the workstation location.

8.2 Exposure controls

Personal protective equipment -

Eye / Face protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin protection and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory protection

No protective equipment is needed under normal use conditions.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice..

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	White Solid
b) Odour	No information available
c) Odour Threshold	No information available
d) pH	No information available



e) melting point/freezing point	209 - 211 °C / 408.2 - 411.8 °F
f) initial boiling point and boiling range	197 °C / 386.6 °F @ 760 mmHg
g) Flash point	112 °C / 233.6 °F
h) Evaporation rate	No information available
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	No data available No data available
k) Vapour pressure	No data available
l) Vapour density	Not applicable
m) Specific Gravity	No information available
n) Solubility	No data available
o) Partition coefficient: n octanol/water	No data available
p) Auto-ignition temperature	Not applicable
q) Decomposition temperature	No data available
r) Viscosity	No information available
s) Molecular formula	C7 H3 Cl3 O3
t) Molecular Weight	241.46

SECTION 10: Stability and Reactivity

10.1 Reactive Hazard :	None known, based on information available
10.2 Chemical stability :	Stable under normal conditions.
10.3 Possibility of hazardous reactions :	None under normal processing.
10.4 Conditions to avoid :	Incompatible products.
10.5 Incompatible materials:	Strong oxidizing agents, strong bases, strong acids
10.6 Hazardous decomposition products :	None under normal use conditions
10.7 Hazardous Polymerization:	Hazardous polymerization does not occur



SECTION 11: Toxicological information

11.1

Information on toxicological effects

Acute toxicity:

Product Information: No acute toxicity information is available for this product

Component Information

Toxicologically Synergistic Products No information available

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

Irritation : No information available

Sensitization: No information available

Carcinogenicity : The table below indicates whether each agency has Any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Benzoic acid, 2,3,5-trichloro-6-hydroxy	40932-60-3	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects: No information available.

Reproductive Effects: No information available.

Developmental Effects : No information available.

Teratogenicity: No information available.

STOT - single exposure : Respiratory system

STOT - repeated exposure: None known

Aspiration hazard : No information available.

Symptoms / effects, both acute and delayed No data available

Endocrine Disruptor Information : No information available

Other Adverse Effects : The toxicological properties have not been fully investigated.



SECTION 12: Ecological information

12.1 Ecotoxicity:	Do not empty into drains.
12.2 Persistence and degradability:	Persistence is unlikely
Bioaccumulation/ Accumulation	No information available
12.3 Mobility:	will likely to be mobile in the environment due to its water solubility component : butane,1,4-dibromo- Log pow : 2.621

SECTION 13: Disposal considerations

13.1 Waste treatment methods: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

SECTION 14: Transport information

14.1 UN number :				
TDG :	Not regulated			
IMDG :	Not regulated			
IATA :	Not regulated			
DOT :	Not regulated			
14.2 UN proper shipping name				
TDG :	Not regulated			
IMDG :	Not regulated			
IATA :	Not regulated			
DOT :	Not regulated			
14.3 Transport hazard class(es)	TDG : NA	IMDG : NA	IATA : NA	DOT : NA
14.4 Packaging group:	TDG : NA	IMDG : NA	IATA : NA	DOT : NA

SECTION 15: Regulatory information

15.1 United states of America Inventory:

Component	CAS-No	TSCA	TSCA Inventory notification Active/Inactive	TSCA - EPA Regulatory Flags
Benzoic acid, 2,3,5-trichloro-6-hydroxy	40932-60-3	X	INACTIVE	-



U.S. Department of Homeland Security - This product does not contain the any DHS Chemicals.

Other International Regulations

Mexico – Grade No information available

Authorisation/Restrictions according to EU REACH

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

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Benzoic acid, 2,3,5-trichloro-6-hydrox	40932-60-3	Not applicable	Not applicable	Not applicable	Not applicable

Seveso III Directive(2012/18/EC) -Qualifying Quantitiesfor Major Accident Notification

Not applicable

Seveso III Directive(2012/18/EC) -Qualifying Quantities for Safety Report Requirements

Not applicable

Rotterdam Convention (PIC)

Not applicable

Basel convention (Hazardous Waste)

Annex I – Y45

SECTION 16: Other information

16.1 Prepared By:	Regulatory affairs Krishna Solvechem Ltd
Email:	exports@kscl.co.in
Revision Date:	24-Dec-2021
Print Date:	24-Dec-2021
Revision Summary:	This document has been updated to comply with the US OSHA Haz Com 2012 Standard replacing the current legislation under 29 C FR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

16.2 Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.