



CHEMSYNTH CORPORATION

(Exporter of chemical Raw materials)

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MATERIAL SAFETY DATA SHEET

1. Identification of substance

Product details+

Trade name: - RESIST SALT POWDER OR GRANULAR
PRODUCER NAME: CHEMSYNTH CORPORATION, INDIA

2. Hazards identification

Hazard designation:

Information pertaining to particular dangers for man and environment

Irritating to respiratory system.
May cause sensitization by skin contact.

Classification system:

The classification is in line with current EC lists. It is expanded however, by information from technical literature.

3. Composition/Data on components:

Chemical characterization:
CAS NO. Designation: 127-68-4 sodium 3-irobenzenesulphonate
Identification number(s): EINECS Number: 2048573

4. First aid measures

General information
Instantly remove any clothing soiled by the product.

After inhalation Provide with fresh air; consult doctor in case of symptoms.

In case of unconsciousness place patient into stable side position for transport.

After skin contact

Instantly wash with water and soap and rinse thoroughly.
After eye contact, rinse opened eye for several minutes under running water. Then consult doctor.
After swallowing, Rinse out mouth and then drink plenty of water. Seek medical treatment.

5. Fire fighting measures

Suitable extinguishing agents
CO₂, extinguishing powder or water spray jet. Fight larger fires with
water spray jet or foam.

Special hazards caused by the material, its products of combustion or

Flue gases:

Can be released in case of fire
Nitrogen oxides (Knox)

Protective equipment:

Wear self-contained breathing apparatus and protective clothing.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance
with official regulations.

6. Accidental release measures

Person-related safety precautions:

Respiratory protection necessary.

Avoid causing dust.

Measures for environmental protection:

Pay attention to local or official regulations.

Measures for cleaning/collecting:

Collect mechanically.

Ensure adequate ventilation.

Avoid producing dust.

7. Handling and storage

Handling

Information for safe handling:

Wear breathing protection when decanting larger quantities without
Extractor facilities.

Prevent formation of dust.

Store in cool, dry place in tightly closed containers.

Information about protection against explosions and fires:

Dust can combine with air to form an explosive mixture.

Containers have to be earthed when being refilled/drained.

Protect against electrostatic charges.

Storage

Requirements to be met by storerooms and containers:

No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Store in cool, dry conditions in well sealed containers.

Protect from humidity and keep away from water.

Prevent formation of dust and deposition.

8. Exposure controls and personal protection

Additional information about design of technical systems:

No further data.

Components with critical values that require monitoring at the Workplace:

The product does not contain any relevant quantities of materials with Critical values that have to be monitored at the workplace.

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the Chemicals.

Instantly remove any soiled and impregnated garments.

Breathing equipment:

In case of dust formation fine dust mask without protection.

Protection of hands: Wear appropriate protective gloves.

Eye protection: Safety glasses

9. Physical and Chemical properties:

Form : Powder / Granular

Color : White

Smell : Odourless

Value/Range Unit

Melting point/Melting range: ca. 300 C

Boiling point/Boiling range: Not determined

Flash Point: 120 degree C.

Inflammability (solid, gaseous) Product is not inflammable.

Ignition temperature:

Decomposition temperature: > 350 C

Danger of explosion: Product is not explosive.

Density: Not determined

Settled apparent density

At 20 C 450 Kg/m³

Solubility in / Miscibility with

Water: at 20 C 200 g/l

PH-value:(100 g/l) at 20 C 7 - 9

10. Stability and reactivity

Conditions to be avoided:

Thermic decomposition possible.

Decomposes at higher temperatures more than 350 C

Materials to be avoided:

Together with strong oxidizing agents and strong reducing agents there is a danger of fire and explosion .

Dangerous products of composition: Nitrogen oxides (Knox)

11. Toxicological information

Acute toxicity:

LD/LC50 values that is relevant for classification:

Components	Type	Value	Species
Sodium 3-nitrobenzenesulphonate	oral	> 5000 mg/kg	rat
	Exhalative	> 5, 1 mg/1/4h	rat

Primary irritant effect:

On the skin: No irritant effect.

On the eye: No irritant effect.

Sensitization:

Has a sensitizing effect (maximizing test)

Sensitization possible by skin contact.

Additional toxicological information: Irritant

12. Ecological information:

Information about elimination (persistence and degradability):

Degree of elimination:

We suppose that the biological degradability will be > 60 %.

Ecotoxicological effects:

Behaviour in sewage processing plants:

Bacteria toxicity (DEV L3): > 1000 mg/1 (sewage sludge organisms)

Additional ecological information:

Chemical oxygen demand COD (DIN 38 409 part 41, 43; DEV H 41, 43):

294 mg O₂/g

Biochemical oxygen demand BOD₅ (DIN 38 409 part 51; DEV H51):

11 mg O₂/g

AOX information:

Because of the components, which do not contain any organic halogens?

This product does not increase the AOX-values in the waste water.

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach

Ground water, water bodies or sewage system.

13. Disposal considerations

Recommendation

May not be disposed together with household garbage. Do not allow

Product to reach sewage system.

Disposal must be made according to official regulations.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

14. Transport information

Transport/Additional information:

Does not belong to dangerous goods according to transport regulations.

15. Regulatory information

Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials

Code letter and hazard designation of product: Xi Irritant

Risk phrases:

Irritating to respiratory system.

May cause sensitization by skin contact.

Safety phrases:

Avoid contact with skin.

Wear suitable gloves.

16. Other information:

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