

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June
2020 amending Annex II to Regulation (EC) No
1907/2006

Printing date 06.04.2023

Version number 1

Revision: 06.04.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** sodium 3-nitrobenzenesulphonate (RESISTSALT)
- **CAS Number:**
127-68-4
- **EC number:**
204-857-3
- **Index number:**
609-048-00-2
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
 1. Oxidative hair-dyes formulation
 2. Dye Intermediate
 3. Electroplating agent
 4. Catalysts in Organic synthesis
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Apurva Chemicals,
Plot No: 2806, 2807/1, 3rd Phase,
GIDC, Vapi – 396 195.
- **Further information obtainable from:**
Tel: 0260-2430487 & 2431587
Mob: 9825145512 (Mr. Desai);
9879003035 (Ms. Pradnya)
email: apurvachem@gmail.com
- **1.4 Emergency telephone number:**
Contact details of European importer
Emergency telephone number:
Telephone number of EU importer:
Opening hours:
Other Comments (e.g. language(s) of the phone service): English

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

(Contd. on page 2)

IN

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June
2020 amending Annex II to Regulation (EC) No
1907/2006

Printing date 06.04.2023

Version number 1

Revision: 06.04.2023

Trade name: sodium 3-nitrobenzenesulphonate (RESIST SALT)

· **2.2 Label elements**

(Contd. of page 1)

· **Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard statements**

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

· **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves / eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**

The substance has no endocrine-disrupting properties according to Regulation (EU) 2017/2100

· **Results of PBT and vPvB assessment**

· **PBT:** The substance is not PBT.

· **vPvB:** The substance is not vPvB.

SECTION 3: Composition/information on ingredients

· **3.1 Chemical characterisation: Substances**

· **CAS No. Description**

127-68-4 sodium 3-nitrobenzenesulphonate

· **Identification number(s)**

· **EC number:** 204-857-3

· **Index number:** 609-048-00-2

· **Additional information:**

Molecular Formula: C₆H₅NO₅S.Na

Molecular Weight: 225.16

IUPAC name: sodium 3-nitrobenzenesulfonate

· **SVHC** The substance is not in the SVHC list.

IN

(Contd. on page 3)

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June
2020 amending Annex II to Regulation (EC) No
1907/2006

Printing date 06.04.2023

Version number 1

Revision: 06.04.2023

Trade name: sodium 3-nitrobenzenesulphonate (RESIST SALT)

(Contd. of page 2)

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Do not leave affected persons unattended.

First aid personnel should pay attention to their own safety.

Immediately remove any clothing contaminated by the product. Move out of dangerous area.

Consult a physician and show this safety data sheet.

After inhalation:

Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

After skin contact:

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

After eye contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

After swallowing:

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Information for doctor: Treat symptomatically and supportively.

4.2 Most important symptoms and effects, both acute and delayed

Nausea, Headache, Vomiting

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

For safety reasons unsuitable extinguishing agents: None.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NOx), Sulphur oxides, Sodium oxides

(Contd. on page 4)

IN

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June
2020 amending Annex II to Regulation (EC) No
1907/2006

Printing date 06.04.2023

Version number 1

Revision: 06.04.2023

Trade name: sodium 3-nitrobenzenesulphonate (RESIST SALT)

· **5.3 Advice for firefighters**

(Contd. of page 3)

· **Protective equipment:**

Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

Avoid formation of dust.

Avoid breathing vapors, mist or dust

· **6.2 Environmental precautions:** Do not let product enter drains.

· **6.3 Methods and material for containment and cleaning up:**

Dilute with plenty water.

Pick up and arrange disposal without creating dust.

Sweep up and shovel.

Keep in suitable, closed containers for disposal.

· **6.4 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.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

· **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool, dry, well-ventilated area away from incompatible substances.

Provide adequate ventilation/exhaustion

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Moisture sensitive.

· **Further information about storage conditions:** Keep container tightly sealed.

· **7.3 Specific end use(s)**

1. Oxidative hair-dyes formulation

2. Dye Intermediate

3. Electroplating agent

(Contd. on page 5)

IN

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June
2020 amending Annex II to Regulation (EC) No
1907/2006

Printing date 06.04.2023

Version number 1

Revision: 06.04.2023

Trade name: sodium 3-nitrobenzenesulphonate (RESIST SALT)

4. Catalysts in Organic synthesis

(Contd. of page 4)

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **8.2 Exposure controls**
- **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 and skin.
- **Respiratory protection:**
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurposecombination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- **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.

- **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.

(Contd. on page 6)

IN

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June
2020 amending Annex II to Regulation (EC) No
1907/2006

Printing date 06.04.2023

Version number 1

Revision: 06.04.2023

Trade name: sodium 3-nitrobenzenesulphonate (RESIST SALT)

· **Eye protection:**

(Contd. of page 5)



Tightly sealed goggles

· **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:	Solid
· Form:	Amorphous solid
· Colour:	Colourless
· Odour:	Characteristic

· pH-value (50 g/l) at 23 °C:	8
--------------------------------------	---

· Change in condition

· Melting point/freezing point:	350 °C
· Initial boiling point and boiling range:	577.06 °C (Stein and Brown Method)

· Flash point:	The study does not need to be conducted because flash point is only relevant to liquids and low melting point solids.
-----------------------	---

· Flammability (solid, gas):	Non flammable
-------------------------------------	---------------

· Auto-ignition temperature:	Not auto-flammable
-------------------------------------	--------------------

· Explosive properties:	Product does not present an explosion hazard.
--------------------------------	---

· Vapour pressure at 25 °C:	10.3 Pa (Modified Grain Method)
------------------------------------	---------------------------------

· Density at 23 °C:	1.87 g/cm ³
----------------------------	------------------------

· Solubility in / Miscibility with water at 20 °C:	200 g/l (Shake flask method)
---	------------------------------

· Partition coefficient: n-octanol/water at 25 °C:	-2.61 POW (shake-flask method)
---	--------------------------------

· 9.2 Other information	Solubility in methanol = 2900 mg/L at 23 °C Solubility in petroleum ether = 1100 mg/L at 23 °C
--------------------------------	---

IN

(Contd. on page 7)

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June
2020 amending Annex II to Regulation (EC) No
1907/2006

Printing date 06.04.2023

Version number 1

Revision: 06.04.2023

Trade name: sodium 3-nitrobenzenesulphonate (RESIST SALT)

(Contd. of page 6)

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
Stable at room temperature in closed containers under normal storage and handling conditions. Hygroscopic: absorbs moisture or water from the air.
- **Thermal decomposition / conditions to be avoided:**
Keep away from heat, air and moisture.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Dust generation, moisture.
- **10.5 Incompatible materials:** Brass, copper, nickel, strong oxidizing agents.
- **10.6 Hazardous decomposition products:**
Nitrogen oxides
carbon monoxide
oxides of sulfur
carbon dioxide

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**

Oral	LD50	> 3200 mg/kg bw (mouse) > 5000 mg/kg bw (rat(Sprague-Dawley)male/female) (OECD Guideline 401 (Acute Oral toxicity)) > 5000 mg/kg of body weight (rat) (Standard acute method)
Dermal	LD 50	>2000 mg/kg bw (rat(Sprague-Dawley)male/female) (OECD Guideline 402)
Inhalative	LC50	> 5.1 mg/L air (4 h) (rat(Wistar)male/female) (OECD Guideline 403 (Acute))

- **Primary irritant effect:**
- **Skin corrosion/irritation**
1. Method: OECD Guideline 404 (Acute Dermal Irritation /Corrosion);
Species: Rabbit (Vienna White);
Coverage: occlusive (either intact or abraded);
Vehicle: water
Erythema score: 1.3 of max. 2 (Time point: 72 h) Reversibility: fully reversible within: 8 d (intact skin)
Edema score: 1.2 of max. 2 (Time point: 24 h) Reversibility: fully reversible within: 72 h (intact skin)
Result: Not irritating

(Contd. on page 8)

IN

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June
2020 amending Annex II to Regulation (EC) No
1907/2006

Printing date 06.04.2023

Version number 1

Revision: 06.04.2023

Trade name: sodium 3-nitrobenzenesulphonate (RESIST SALT)

2. Method: BASF-internal standard; Species: Rabbit

(Contd. of page 7)

(Vienna White); Coverage: occlusive;

Vehicle: water

Erythema score: 0 of max. 0 (mean) (Time point: 72 h) (5-min exposure) Edema score: 0 of max. 0 (mean) (Time point: 72 h) (2-hour exposure) Result: Not irritating

· **Serious eye damage/irritation** Causes serious eye irritation. Method: Draize test;

Species Rabbit (Vienna White); Vehicle: unchanged (no vehicle)

Cornea score: 0.3 of max. 1 (mean) (Time point: 48 h) (not reversible)

Conjunctivae score: 0.5 of max. 2 (mean) (Time point: 48 h) (fully reversible within: 8 d (exemption: reddening)

Result: irritating

· **Respiratory or skin sensitisation**

May cause an allergic skin reaction.

1. EU Method B.6 (Skin Sensitisation); Guinea pig maximization test; guinea pig (Dunkin-Hartley) female; Vehicle: water

Induction:

1st application: Induction 5 % intracutaneous;

2nd application: Induction 50 % occlusive epicutaneous

Challenge: epicutaneous, occlusive

No. with positive reactions:

1st percutaneous challenge: 2 out of 10 (test group); 24 h after chall.; dose: 25%

2nd challenge: 2 out of 10 (test group); 24 h after chall.; dose: 25%

Result: sensitising

· **Additional toxicological information:**

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

· **Carcinogenicity** No relevant information available.

· **Reproductive toxicity** Based on available data, the classification criteria are not met.

· **STOT-single exposure** No data available

· **STOT-repeated exposure** No data available

· **Aspiration hazard** No data available

11.2.1 Endocrine disrupting properties: The substance has no endocrine-disrupting properties according to Regulation (EU) 2017/2100

11.2.2 Information on other hazard: No further information is available.

SECTION 12: Ecological information

· 12.1 Toxicity

· **Aquatic toxicity:**

LC50 (96 hrs)	500 mg/l (Leuciscus idus (Fish, fresh water))
---------------	---

(Contd. on page 9)

IN

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June
2020 amending Annex II to Regulation (EC) No
1907/2006

Printing date 06.04.2023

Version number 1

Revision: 06.04.2023

Trade name: sodium 3-nitrobenzenesulphonate (RESIST SALT)

NOEC (72 hrs) >500 mg/l (Algae)

(Contd. of page 8)

- **12.2 Persistence and degradability** Readily biodegradable
- **12.3 Bioaccumulative potential** the test chemical is not expected to bioaccumulate in the food chain
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** The substance is not PBT.
- **vPvB:** The substance is not vPvB.
- 12.6 Endocrine disrupting properties:** The substance has no endocrine-disrupting properties according to Regulation (EU) 2017/2100
- 12.7 Other adverse effect:** No further information is available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Must be disposed of or incinerated in accordance with local regulations.
Uncontaminated packaging can be re-used.
Packs that cannot be cleaned should be disposed of in the same manner as the contents.
- **Uncleaned packaging:**
- **Recommendation:** Dispose off according to Federal, State and Local Regulations.

SECTION 14: Transport information

- | | |
|--|----------------|
| · 14.1 UN-Number | |
| · ADR, ADN, IMDG, IATA | Not Regulated |
| · 14.2 UN proper shipping name | |
| · ADR, ADN, IMDG, IATA | Not Regulated |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Not Regulated |
| · 14.4 Packing group | Not applicable |
| · ADR, IMDG, IATA | Not Regulated |

(Contd. on page 10)

IN

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June
2020 amending Annex II to Regulation (EC) No
1907/2006

Printing date 06.04.2023

Version number 1

Revision: 06.04.2023

Trade name: sodium 3-nitrobenzenesulphonate (RESIST SALT)

(Contd. of page 9)

- | | |
|--|-----------------|
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Not Regulated |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** *Warning*
- **Hazard statements**
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
- **Precautionary statements**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves / eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
User to follow national laws and regulations.
US-TSCA - Listed
Canada DSL/NDL - Listed
Japan MITI - Listed
New Zealand (NZIoC) - Listed

(Contd. on page 11)

IN

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June
2020 amending Annex II to Regulation (EC) No
1907/2006

Printing date 06.04.2023

Version number 1

Revision: 06.04.2023

Trade name: sodium 3-nitrobenzenesulphonate (RESIST SALT)

Australian Inventory of Chemical Substances (AICS) - Listed (Contd. of page 10)
 Philippine Inventory of Chemicals and Chemical Substances (PICCS) - Listed
 China (IECSC) - Listed

• **Substances of very high concern (SVHC) according to REACH, Article 57**

The substance is not listed as SVHC.

• **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 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:** Product safety department.

• **Contact:**

Tel: 0260-2430487 & 2431587

Mob: 9825145512 (Mr. Desai);

9879003035 (Ms. Pradnya)

email: apurvachem@gmail.com

• **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

• **Sources**

-REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006

-ECHA - <https://echa.europa.eu/registration-dossier/-/registered-dossier/15792/9>

• **Data compared to the previous version altered.**

• Section 2: Hazard Identification

• Section 11: Toxicological Information.

• Section 12: Ecological Information