



# SAFETY DATA SHEET

Revision Date 10-Feb-2011

Revision Number 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Description:**

Chromotrope 2R

**Cat No.**

192010000; 192010250

**Synonyms**

4,5-Dihydroxy-3-phenylazo-2,7-naphthalenedisulfonic acid, disodium salt; Acid Red 29; C.I. 16570

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

**Recommended Use**

Laboratory chemicals

**Uses advised against**

No Information available

**Details of the supplier of the safety data sheet**

**Company**

Acros Organics BVBA  
Janssen Pharmaceuticaalaaan 3a  
2440 Geel, Belgium

**E-mail address**

begel.sdsdesk@thermofisher.com

**Emergency Telephone Number**

For information in the US, call: 001-800-ACROS-01

For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99

Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300

CHEMTREC Phone Number, Europe: 001-703-527-3887

## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

REGULATION (EC) No 1272/2008

Not hazardous

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

For the full text of the R phrases mentioned in this Section, see Section 16

**R -phrase(s)**

none

**Label Elements**

**Signal Word**

None

**Hazard Statements**

**Other Hazards**

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No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	EC No.	Weight %	CAS-No	Classification	GHSCLAS	REACH Reg. No.
Disodium 4,5-dihydroxy-3-phenylazonaphthalene-2,7-disulphonate 4197-07-3	EEC No. 224-085-0	100	4197-07-3			

For the full text of the R phrases mentioned in this Section, see Section 16

**4. FIRST AID MEASURES**

Description of first aid measures

**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

**Skin Contact**

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes

**Ingestion**

Do not induce vomiting Never give anything by mouth to an unconscious person Drink plenty of water If possible drink milk afterwards

**Inhalation**

Remove from exposure, lie down Move to fresh air

**Notes to Physician**

Treat symptomatically

**5. FIRE-FIGHTING MEASURES**

Extinguishing media

**Suitable Extinguishing Media**

Water spray Carbon dioxide (CO<sub>2</sub>) Dry chemical alcohol-resistant foam

**Extinguishing media which must not be used for safety reasons**

No information available.

Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors

Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear Thermal decomposition can lead to release of irritating gases and vapors

**6. ACCIDENTAL RELEASE MEASURES**



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**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Environmental precautions

Prevent further leakage or spillage if safe to do so

Methods and material for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal.

**7. HANDLING AND STORAGE**

Precautions for Safe Handling

Avoid contact with skin and eyes Avoid contact with clothing Remove and wash contaminated clothing before re-use Avoid breathing vapors or mists Do not ingest Wash thoroughly after handling

Conditions for safe storage, including any incompatibilities

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

Specific End Uses

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Control parameters

Exposure limits

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

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas Ventilation systems

Personal protective equipment

Eye Protection

Safety glasses with side-shields Goggles

Hand Protection

Protective gloves

Skin and body protection

Long sleeved clothing

Respiratory Protection

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls

No information available.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State

Powder, Solid

Appearance

Red brown

odor

odorless



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

pH	No information available.
Vapor Pressure	No information available.
Vapor Density	No information available.
Boiling Point/Range	No information available.
Melting Point/Range	No information available.
Flash Point	No information available.
Molecular Formula	C16 H10 N2 Na2 O8 S2
Molecular Weight	468.35

## 10. STABILITY AND REACTIVITY

### Reactivity

#### Chemical Stability

Stable under normal conditions.

### Possibility of Hazardous Reactions

Hazardous Polymerization No information available.  
Hazardous Reactions . No information available.

### Conditions to Avoid

Incompatible products.

### Incompatible Materials

Oxidizing agents, Strong oxidizing agents.

### Hazardous Decomposition Products

Nitrogen oxides (NOx). Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

#### Acute Toxicity

Product Information No acute toxicity information is available for this product

#### Component Information

#### Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product

#### Sensitization

Mutagenic Effects No information available.

Reproductive Effects No information available.



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## 11. TOXICOLOGICAL INFORMATION

<b>Developmental Effects</b>	No information available.
<b>Target Organs</b>	No information available.
<b>Endocrine Disruptor Information</b>	None known

## 12. ECOLOGICAL INFORMATION

<b><u>Toxicity</u></b>	
<b><u>Ecotoxicity effects</u></b>	Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

**Persistence and degradability**  
No information available

**Bioaccumulative potential**  
No information available.

**Mobility in soil**  
No information available.

**Results of PBT and vPvB assessment**  
**Other adverse effects**  
No information available

## 13. DISPOSAL CONSIDERATIONS

<b><u>Waste treatment methods</u></b>	
<b><u>Waste from Residues / Unused Products</u></b>	Dispose of in accordance with local regulations
<b><u>Contaminated Packaging</u></b>	Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

<b><u>IMDG/IMO</u></b>	Not regulated
<b><u>ADR</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated

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**15. REGULATORY INFORMATION**

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

**International Inventories**

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Disodium 4,5-dihydroxy-3-phenylazonaphthalene-2,7-disulphonate	224-085-0	-		-	-	-	-	-	-	X	-

**Legend**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- EINECS/ELINCS - European Inventory Lists
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- CHINA - China Inventory of Existing Chemical Substances
- AICS - Inventory of Chemical Substances
- KECL - Existing and Evaluated Chemical Substances

**Chemical Safety Assessment**

**16. OTHER INFORMATION**

**Text of R phrases mentioned in Section 2-3**

No information available.

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Revision Summary Not applicable

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

**Disclaimer**

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End of Safety Data Sheet