

**Safety data sheet
according to GHS**

Printing date 28.12.2022

Version number 1

Revision: 28.12.2022

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

- **Product identifier**
- **Trade name: 43RS250 RESISTA Cyan**
- **MSDS no.** 442,425
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Printing inks
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Hubergroup India Private Limited
Survey No.8/1/2/P, 9/P, 10/3, 10/4, 10/5, 8/2, Village Morkhal, Silvassa 396 230. (U.T. of Dadra & Nagar Haveli and Daman & Diu), India
T +91 99241 46937 / 98241 21323
- **Informing department:**
Product Safety-Asia Pacific
Hubergroup India Private Limited
Contact: Dr. Hari Om Sharma
Telephon: +91 260 7158000
E- mail: PS.AP@hubergroup.com
- **Emergency telephone number:** During general business hours: Extension 8568

2 Hazards identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **Additional information:**
Contains 2-tert-Butylhydroquinone. May produce an allergic reaction.
Safety data sheet available on request.
- **Other hazards** This information is provided by the present Material Safety Data Sheet.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Dangerous components:**
8030-70-4 Fatty acids, tall-oil, manganese salts 1-2.5%
STOT RE 2, H373
- **Additional information** For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **General information** In all cases of doubt, or when symptoms persist, seek medical advice.
- **After inhalation** Remove to fresh air.
- **After skin contact**
Remove contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

(Contd. on page 2)

— IL —

**Safety data sheet
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Revision: 28.12.2022

Trade name: 43RS250 RESISTA Cyan

(Contd. of page 1)

- **After eye contact**
Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses. Obtain medical attention.
- **After swallowing** Do NOT induce vomiting. Obtain medical attention.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Alcohol resistant foam, CO₂, powders, water spray.
- **For safety reasons unsuitable extinguishing agents** Water jet.
- **Special hazards arising from the substance or mixture**
Appropriate breathing apparatus may be required.
Cool closed containers exposed to fire with water.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information** Collect run-off from fire fighting.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Ventilate the area.
- **Environmental precautions:**
Do not allow to enter drains. If the product contaminates rivers and lakes or sewers inform respective authorities.
- **Methods and material for containment and cleaning up:**
Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations. Clean preferably with a detergent. Avoid use of solvents.
- **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 information on disposal.

7 Handling and storage

- **Handling**
- **Precautions for safe handling**
Avoid inhalation of vapour. Smoking, eating and drinking should be prohibited in application area. For personal protection see Section 8. Comply with health and safety at work laws. Avoid concentrations higher than the occupational exposure limits (see Section 8), if applicable.
- **Information about protection against explosions and fires:**
Clothes and rags contaminated with ink, lacquer or oxidatively drying oil may cause self ignition. Keep them in closed and fireproof containers.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
Keep container tightly closed. No smoking.

(Contd. on page 3)

IL —

Safety data sheet according to GHS

Printing date 28.12.2022

Version number 1

Revision: 28.12.2022

Trade name: **43RS250 RESISTA Cyan**

(Contd. of page 2)

- Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- **Further information about storage conditions:**
Always keep in containers of the same material as the original one. Store in a dry, well ventilated place. Keep away from heat and direct sunlight. Store in accordance with the particular national regulations concerning water pollution. Note Instructions on the label.
 - **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:**
If relevant apply technical measures to comply with the occupational exposure limits. This can be by a good general extraction and-if practically feasible, be achieved by local exhaust ventilation.
- **Control parameters**
- **Components with critical values that require monitoring at the workplace:**
Numerical data - if specified - are taken from the valid national lists.
- **DNELs**
8030-70-4 Fatty acids, tall-oil, manganese salts
Dermal DNEL workers 5,778 mg/kg bw/d (human)
Inhalative DNEL workers 2.22 mg/m³ (human)
- **Exposure controls**
- **Personal protective equipment**
- **Breathing equipment:**
The use of respiratory protective measures, such as masks with filters for organic Vapours and dusts / mists are, in the absence of appropriate technical equipment, necessary for the protection of the employee. If exposure is above the exposure limit, then an appropriate, approved respirator must be worn. Please refer to the appropriate EU standard 14387.
- **Protection of hands:**
For prolonged or repeated contact use gloves.
Barrier creams may help to protect exposed skin, they should however not be applied once have come into contact with the product.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves**
Applicable for example are gloves of KCL GmbH, D 36124 Eichenzell, e-mail: vertrieb@kcl.de with following specification (Laboratory test according EN 374)

Recommend protective glove:

Article / Name /Material / Thickness	Material / Breakthrough Time	Remarks
Nr. 730/ Camatril Velours / Nitril / 0,4 mm	Level 6	> 480 min. by full contact
Nr. 743/ Dermatril / Nitril / 0,2 mm	Level 2	> 30 min. by splash contact

This recommendation is only for the product delivered by us and its intended purpose.

- **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.
- **Eye protection:** Use safety eyewear designed to protect against splash of liquids.
- **Body protection:**
Working clothes must not consist of textiles which show a dangerous melting behaviour in case of fire.
All parts of the skin should be washed after contact.

— IL —
(Contd. on page 4)

**Safety data sheet
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Version number 1

Revision: 28.12.2022

Trade name: **43RS250 RESISTA Cyan**

(Contd. of page 3)

9 Physical and chemical properties· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form: liquid
Colour: according to the tradename of the product

· **Smell:** characteristic· **Odour threshold:** Not determined.· **pH-value:** Not determined.· **Change in condition**

Melting point/freezing point: not determined

· **Flash point:** >100 °C· **Inflammability (solid, gaseous)** Not applicable.· **Decomposition temperature:** Not determined.· **Self-inflammability:** Not determined.· **Explosive properties:** Not determined.· **Critical values for explosion:**

Lower: approx. Not determined.

Upper: approx. Not determined.

· **Vapour pressure:** Not determined.· **Density at 20 °C** 1.026 g/cm³· **Relative density** Not determined.· **Vapour density** Not determined.· **Evaporation rate** Not determined.

Not applicable.

· **Solubility in / Miscibility with**

Water: partly or not miscible

· **Partition coefficient: n-octanol/water:** Not determined.· **Viscosity:**

dynamic: Not determined.

kinematic: Not determined.

· **Other information** No further relevant information available.**10 Stability and reactivity**· **Reactivity** No further relevant information available.· **Chemical stability** No further relevant information available.· **Thermal decomposition / conditions to be avoided:**

Stable under recommended storage and handling conditions (see section 7).

· **Conditions to avoid** No further relevant information available.· **Incompatible materials:**

Keep well away from oxidising agents and strongly alkaline or strongly acid materials in order to avoid exothermic reactions.

(Contd. on page 5)

**Safety data sheet
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Version number 1

Revision: 28.12.2022

Trade name: 43RS250 RESISTA Cyan

(Contd. of page 4)

· Hazardous decomposition products:

Exposition to high temperatures may produce hazardous decomposition products such as: carbon dioxide, carbon monoxide and smoke.

11 Toxicological information

The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and/or GHS -Regulation and classified for toxicological hazards accordingly. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in skin dryness. The product may be absorbed through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

· Information on toxicological effects

- **Acute toxicity** No data available

12 Ecological information

The Product should not be allowed to enter drains of water courses or soil.

· Toxicity

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

· Behaviour in environmental systems:

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

· Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations**· Waste treatment methods**

- **Recommendation** Do not allow to enter drains.

- **Uncleaned packagings:** Waste

· Recommendation:

Emptied containers should be disposed off into scrap recycling or reconditioning respectively.

Not orderly emptied cans and ink remnants are special waste.

14 Transport information

Not classified according to transport regulations for dangerous goods (like ADR/RID, IMDG and ICAO/IATA).

· UN-Number

- **ADR, IMDG, IATA**

-

· UN proper shipping name

- **ADR, IMDG, IATA**

-

· Transport hazard class(es)

- **ADR, ADN, IMDG, IATA**

- **Class**

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(Contd. on page 6)

IL —

**Safety data sheet
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Version number 1

Revision: 28.12.2022

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(Contd. of page 5)

- **Packing group**
- **ADR, IMDG, IATA** -
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
The product is subject to classification in accordance with the prevailing version of the regulations on hazardous materials.
- **Information about limitation of use:**
- **VOC-Content (EU):** 0.00 %
- **Other regulations, limitations and prohibitive regulations**
- **Swiss VOC-Regulation** 0.00 %
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

The information on this Safety Data Sheet is based on the present state of our knowledge and on current GHS Regulation and national laws. The user's working conditions are beyond our knowledge and control. It is always the responsibility of the user to take all necessary steps in order to fulfil the demands laid down in the local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the product's properties.

- **Relevant phrases**
H373 May cause damage to organs through prolonged or repeated exposure.
- **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
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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