

SAFETY DATA SHEET		
JAGUAR C-500		
Revision: 1.01 CN (EN)		Issuing date: 2012-02-17

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name : JAGUAR C-500

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

Uses of the Substance/Mixture : Specific use(s): Thickener for cosmetic formulations

Details of the supplier of the safety data sheet

Company : Rhodia Feixiang Specialty Chemicals Co., Ltd.
Fenghuang Town, Zhangjiagang City, Jiangsu Province,
China, 215613
Tel: 0512 5811 0137 (Domestic) +86 512 5811 0133 (Overseas)
Fax: 0512 5849 7820 (Domestic) +86 512 5849 7919 (Overseas)

Emergency telephone number : MULTI LINGUAL EMERGENCY NUMBER (24/7)
Europe/America/Africa : +44 1235 239 670 (UK)
Middle East & Africa speaking Arabic : +44 1235 239 671 (UK)
Asia Pacific : +65 3158 1074 (Singapore)
China : +86 10 5100 3039 (Beijing)

E-mail address : information.fds@eu.rhodia.com

2. HAZARDS IDENTIFICATION

Classification

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

Label elements

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

Other hazards which do not result in classification

Slightly irritating to eyes and skin. Exposure to high concentrations of dust may cause respiratory discomfort

Divided solid. May form explosive dust-air mixture. Electrostatic charges may be generated as a result of flow, stirring, etc. Electrostatic charges may build up by swirling, pneumatic transport, pouring, etc. Hazardous reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10: "Stability-Reactivity").

3. COMPOSITION/INFORMATION ON INGREDIENTS

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Substance

Chemical nature : Guar gum, 2 hydroxy-3-(trimethylammonium)propyl ether chloride

CAS-No. : 65497-29-2

Remarks : Contains no hazardous ingredients according to GHS

4. FIRST AID MEASURES

Description of necessary first-aid measures

General advice : Show this safety data sheet to the doctor in attendance.
First aider needs to protect himself.
Place affected clothing in a sealed bag for subsequent decontamination.

Do not leave the victim unattended.

Inhalation : If inhaled, remove to fresh air.
Consult a physician if necessary.

Skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.

Eye contact : Rinse with running water whilst keeping the eyes wide open (at least 15 minutes)
If eye irritation persists, consult a physician

Ingestion : Do NOT induce vomiting.
Rinse mouth with water.

Consult a physician if necessary.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Water spray
Foam
Multi-purpose powders
Carbon dioxide (CO₂)

Unsuitable extinguishing media : High volume water jet

Special hazards arising from the substance or mixture

Specific hazards during firefighting : Risk of dust explosion.
On combustion, toxic gases are released.

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Advice for firefighters

- Special protective equipment for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.
Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
- Specific fire fighting methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.
Do not breathe dust.
Avoid contact with the skin and the eyes.
Personal protective equipment
Wear suitable protective equipment.
Respirator with a particle filter (EN 143)
Tightly fitting safety goggles
Wear suitable gloves.
Stop leak if safe to do so.
- Environmental precautions : Dam up.
Prevent product from entering drains.
- Methods for Cleaning or Taking Up
- Prohibition : As far as possible, do NOT spray packaging which has been damaged or overturned with water.
- Recovery : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).
Shovel into suitable container for disposal.
- Decontamination/cleaning : Wash off with plenty of water.
Recover the cleaning water for subsequent disposal.
- Disposal : Dispose of in accordance with local regulations.
- Additional advice : Forms slippery/greasy layers with water.

7. HANDLING AND STORAGE

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Handling

- Technical measures : Provide sufficient air exchange and/or exhaust in work rooms.
Earth the equipment.
- Advice on safe handling and usage : Prevent the build-up of electrostatic charge.
Avoid dust formation.
Keep away from fire, sparks and heated surfaces.
Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.
Handle in accordance with good industrial hygiene and safety practice.

Storage

- Technical Measures for storage : Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.
- Storage conditions
- Recommended : Stable under normal conditions.
Keep container tightly closed.
Keep in a cool, well-ventilated place.
Protect from moisture.
Keep away from open flames, hot surfaces and sources of ignition.
Keep away from incompatible materials to be indicated by the manufacturer
Store in original container.
- Incompatible products : Strong oxidizing agents
- Packaging Measures
- Packaging materials - Recommended : Water-resistant materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

We are not aware of any national exposure limit.

Control measures

- Engineering measures : Effective exhaust ventilation system
Extract at emission point.

Personal protective equipment

- Respiratory protection : Use a respirator with an approved filter if a risk assessment indicates this is necessary.
- Hand protection : Where there is a risk of contact with hands, use appropriate gloves
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Gloves must be inspected prior to use.
- Eye protection : Tightly fitting safety goggles

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Skin and body protection	: Protective suit Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures	: Ensure that eyewash stations and safety showers are close to the workstation location. Regular cleaning of equipment, work area and clothing. Use clean, well-maintained personal protection equipment. When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Emergency equipment immediately accessible, with instructions for use.
Protective measures	: The protective equipment must be selected in accordance with current CEN standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use.
General advice	: Dam up. Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	: Fine powder
Physical state	: solid
Colour	: white to pale yellow.
Odour	: slight
Odour Threshold	: no data available

Safety data

pH	: 9.0 - 11.0 (1 %) Aqueous solution
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: Not applicable solid for which the melting point is > 100 °C
Flammability (solid, gas)	: no data available
Autoignition temperature	: no data available
Oxidizing properties	: Not considered as oxidizing, Structure-activity relationship (SAR)

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Water solubility : practically insoluble

Solubility in other solvents : non-polar solvents
insoluble

Partition coefficient: n-octanol/water : no data available

Vapour pressure : no data available

Evaporation rate : no data available

Relative vapour density : no data available

Density : ca. 1.3 g/cm³ (25 °C)

Oxidation/Reduction Potential : no data available

Viscosity, dynamic : no data available

Viscosity, kinematic : no data available

Explosive properties : no data available

Thermal decomposition : no data available

Minimum ignition energy : 840 mJ

Minimum ignition temperature : 510 °C

Lower explosion limit : no data available

Upper explosion limit : no data available

10. STABILITY AND REACTIVITY

Chemical stability : Stable under normal conditions.

Hazardous reactions

Materials to avoid : Strong oxidizing agents

Decomposition products : On combustion or on thermal decomposition (pyrolysis) releases:
(Carbon oxides (CO + CO₂)).
nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity : LD₅₀ : > 10,000 mg/kg - rat
Information given is based on data obtained from similar substances.
Unpublished internal reports

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Acute inhalation toxicity : no data available

Acute dermal toxicity : no data available

Acute toxicity (other routes of administration) : no data available

Aspiration toxicity : no data available

Skin corrosion/irritation

Skin irritation : rabbit
By analogy
slight irritation
Unpublished internal reports

Serious eye damage/eye irritation

Eye irritation : rabbit
By analogy
slight irritation
Unpublished internal reports

Respiratory or skin sensitization

Sensitisation : guinea pig

Not classified as sensitising by skin contact
By analogy
Information given is based on data obtained from similar substances.
Unpublished internal reports

Certain reactions were observed for sensitive people
If inhaled
By analogy
Published data

Repeated dose toxicity

Repeated dose toxicity : no data available

STOT

STOT - single exposure : no data available
STOT - repeated exposure : no data available

Carcinogenicity

Carcinogenicity : no data available

Mutagenicity

Genotoxicity in vitro : Mutagenicity (Salmonella typhimurium - reverse mutation assay)
with or without metabolic activation
negative
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Genotoxicity in vivo : no data available

Reproductive toxicity

Reproductive toxicity : no data available

Experience with human exposure

Experience with human exposure : Inhalation : May cause respiratory irritation.
Dust
Unpublished internal reports

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Aquatic Compartment (including sediment)

Toxicity to daphnia and other aquatic invertebrates. : EC50 - 48 h : > 100 mg/l - Daphnia magna (Water flea)
Unpublished internal reports

Ecotoxicity assessment

Ecotoxicity assessment : The product does not have any known adverse effects on the aquatic organisms tested
Unpublished internal reports

Persistence and degradability

Biodegradability

Biodegradability : Ultimate aerobic biodegradability
Not readily biodegradable.
55 % - 28 d
Method: OECD Guideline test type 310
Unpublished internal reports

Bioaccumulation

Bioconcentration factor (BCF) : Not bioaccumulable
internal evaluation

Mobility

Known distribution to environmental compartments : Ultimate destination of the product : Water

Other adverse effects

Environment assessment : Not classified as Dangerous for the Environment, according to REGULATION (EC) No 1272/2008

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13. DISPOSAL CONSIDERATIONS

Product Disposal

Prohibition : Should not be released into the environment.

Advice on Disposal : Dispose of in accordance with local regulations.

Advice on cleaning and disposal of packaging

Measures for waste avoidance. : Do not dispose of the product at a rubbish tip.

Advice : Empty the packaging completely prior to disposal.

Reason for waste disposal : Dispose of contents/ container to an approved waste disposal plant.

Other data : Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

ADR

not regulated

RID

not regulated

IMDG

not regulated

IATA

not regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

15. REGULATORY INFORMATION

Following last version of regulations are applicable for the chemical classification, SDS and label:

- General Rule for classification and hazard communication of chemicals, GB 13690
- Series standards of Safety rules for classification, precautionary labeling and precautionary statements of chemicals (GB 20576~GB 20602)
- General rules for preparation of precautionary label for chemicals, GB 15258
- Safety data sheet for chemical products—Content and order of sections, GB/T 16483

16. OTHER INFORMATION

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. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only

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relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in an other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.