



Huaihua Fragrant spices Co., Ltd

SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH), Annex II
(COMMISSION REGULATION (EU) No 453/2010)

Version 1

Product Name : Rose Oxide

Issue Date : 04-Aug-2014

Revision date :04-Aug-2014

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

1.1. Product identifier

Product Name Rose oxide
CAS No 16409-43-1

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

Recommended Use For all of the roses, geranyl and floral formula
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier Huaihua Fragrant spices Co., Ltd
Address No.16 Tiexi Industrial District,Hongjiang District,Huaihua City,Hunan Prov.China
Postal Code 418200
Phone +86-745-7683429
FAX +86-745-7682002
E-mail sales_bruce@hhfenfang.com

Importer

Address

Postal Code

Phone

FAX

E-mail

1.4. Emergency telephone number

+86-745-7683429

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation Category 2 - (H315)

Serious eye damage/eye irritation Category 2 - (H319)

Reproductive Toxicity Category 2 - (H361)

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi - irritant

Xi; R36 - Xi;R38 - Repr.Cat.3;R62

2.2. Label elements

Symbols/Pictograms



Signal word

Warning

Hazard Statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H361 - Suspected of damaging fertility or the unborn child

Precautionary Statements

P201 - Obtain special instructions before use

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P362 - Take off contaminated clothing and wash before reuse

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

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

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients**3.1 Mixture**

| Chemical Name | EC No | CAS No | Weight-% | Classification according to Directive 67/548/EEC or 1999/45/EC | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|------------------|-----------|------------|----------|--|---|
| CIS-Rose Oxide | 240-457-5 | 16409-43-1 | 70-90 | Xi; R36 - Xi;R38 - Repr.Cat.3;R62 | Skin Irrit. 2 Eye Irrit. 2 Repr. 2 |
| Trans-Rose Oxide | 240-457-5 | 16409-43-1 | 10-30 | Xi; R36 - Xi;R38 - Repr.Cat.3;R62 | Skin Irrit. 2 Eye Irrit. 2 Repr. 2 |

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

Remove contaminated clothing and shoes. If symptoms persist, call a physician.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Causes skin irritation; Causes serious eye irritation; Suspected of damaging fertility or the unborn child

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

No information available

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors

5.3. Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas
Ensure adequate ventilation, especially in confined areas
Remove all sources of ignition
Avoid contact with skin, eyes and inhalation of vapors
Use personal protection recommended in Section 8

6.2. Environmental precautions

Local authorities should be advised if significant spillages cannot be contained
Prevent entry into waterways, sewers, basements or confined areas

6.3. 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 / national regulations (see Section 13)

6.4. Reference to other sections

See Section 7 for more information
See section 8 for more information
See section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice
Ensure adequate ventilation, especially in confined areas
Avoid contact with skin, eyes or clothing
Wash contaminated clothing before reuse
Take precautionary measures against static discharges
Avoid generation of dust
Do not breathe dust/fume/gas/mist/vapors/spray
Do not eat, drink or smoke when using this product
Wash thoroughly after handling
Use personal protection recommended in Section 8

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place
Keep away from heat
Keep locked up and out of reach of children
Keep away from food, drink and animal feeding stuffs
Store in accordance with local regulations

7.3. Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No information available.

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

8.2. Exposure controls

Engineering Controls

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

| | |
|--------------------------|--|
| Eye/face protection | Wear safety glasses with side shields (or goggles) |
| Hand Protection | Wear protective gloves |
| Skin and body protection | Suitable protective clothing |
| Respiratory protection | In case of insufficient ventilation, wear suitable respiratory equipment |

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-------------------------------|---------------------------|
| Appearance | Transparent liquid |
| Color | colorless to light yellow |
| Odor | Aromatic |
| Odor Threshold | No information available |
| pH | No information available |
| Melting point/freezing point | No information available |
| Boiling point / boiling range | 207.83°C |
| Flash point | 64°C |
| Evaporation rate | No information available |
| Flammability (solid, gas) | No information available |
| Flammability Limit in Air | No information available |
| Vapor Pressure | 0.53hPa at 20°C |
| Vapor density | No information available |
| Density | 0.875 at 20°C |
| Relative density | No information available |
| Bulk density | No information available |
| Specific gravity | No information available |
| Water solubility | 0.92g/L at 20°C |
| Partition coefficient | 3.3 at 23°C (PH6.5) |
| Autoignition temperature | 230°C at 1016hPa |
| Decomposition temperature | No information available |
| Kinematic viscosity | No information available |

| | |
|----------------------|--------------------------|
| Dynamic viscosity | 1.36mPas at 20°C |
| Explosive properties | No explosive |
| Oxidizing properties | No information available |

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

None under normal use conditions

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| Chemical Name | Oral LD50 | Skin LD50 | Inhale LC50 |
|---------------|------------|------------|-------------|
| Rose Oxide | =4300mg/kg | >5000mg/kg | 23.1mg/L |

Skin corrosion/irritation

Causes skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation

Sensitization

No sensitization responses were observed.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-------------------------------------|--|
| Waste from residues/unused products | Disposal should be in accordance with applicable regional, national and local laws and regulations |
| Contaminated packaging | Disposal should be in accordance with applicable regional, national and local laws and regulations |

SECTION 14: Transport information

| | |
|---|--------------------------|
| 14.1 UN Number | Not regulated |
| 14.2 Proper shipping name | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special precautions | No information available |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable |

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International Inventories

| Component | TSCA | DSL/NDS L | EINECS/E LINCS | ENCS | IECSC | KECL | PICCS | AICS |
|------------|------|--------------|-------------------|------|-------|------|-------|------|
| Rose Oxide | X | X | X | X | X | X | X | X |

"-" Not Listed

"X" Listed

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

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

| | |
|---------------|----------------|
| Issue Date | 04-Aug-2014 |
| Revision date | 04-Aug-2014 |
| Revision Note | Not applicable |

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Full text of H-Statements referred to under section 3

H315 - Causes skin irritation
H319 - Causes serious eye irritation
H361 - Suspected of damaging fertility or the unborn child

Full text of R-phrases referred to under sections 2 and 3

Xi; R36 – irritant; Irritating to eyes.
Xi; R38 – irritant; Irritating to skin.
Repr.Cat.3;R62 – Reproductive Catalogue 3; Possible risk of impaired fertility.

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

----- End of Safety Data Sheet -----

Huaihua Fragrance Spices Co., Ltd