

Date of issue: 28/12/2017

# Safety Data Sheet

 Identification of the substance/mixture and of the company/undertaking Product identifier: Product name: Alizarin complexone Product code(SDS NO): 0199E-1 Details of the supplier of the safety data sheet Manufacturer/Supplier: KISHIDA CHEMICAL CO., LTD. Address: 3-1, Honmachibashi, Chuo-ku,Osaka 540-0029,JAPAN Division: Safety Management Dept. of Chemicals Telephone number: +81-6-6946-8061 FAX: +81-6-6946-1607 e-mail address: kagakuhinanzenkanri@kishida.co.jp

Hazards identification
 GHS classification and label elements of the product
 Classification of the substance or mixture
 (Note) GHS classification without description: Not applicable/Out of classification/Not
 classifiable

3. Composition/information on ingredients Mixture/Substance selection:

Substance Ingredient name:Alizarin complexone Content(%):-Chemical formula:C19H15NO8 CAS No.:3952-78-1 MW:385.32 ECNO:223-544-2

4. First-aid measures

Descriptions of first-aid measures

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN (or hair)

Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

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.

IF SWALLOWED

Rinse mouth.

Call a POISON CENTER or doctor/physician if you feel unwell.



Extinguishing media Suitable extinguishing media Use appropriate extinguishing media suitable for surrounding facilities. Specific hazards arising from the substance or mixture Containers may explode when heated. Fire may produce irritating, corrosive and/or toxic gases. Advice for firefighters Specific fire-fighting measures Evacuate non-essential personnel to safe area. Special protective equipment and precautions for fire-fighters Wear fire/flame resistant/retardant clothing. Wear protective gloves/protective clothing/eye protection/face protection. Firefighters should wear self-contained breathing apparatus with full face peace operated positive pressure mode. Accidental release measures Personnel precautions, protective equipment and emergency procedures Ventilate area after material pick up is complete. Wear proper protective equipment. Methods and materials for containment and cleaning up Sweep up, place in a bag and hold for waste disposal. Preventive measures for secondary accident Collect spillage. Handling and storage Precautions for safe handling Preventive measures (Protective measures (Protective measures against fire and explosion) Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Exhaust/ventilator Exhaust/ventilator should be available.			
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	Safety treatments		

Avoid contact with skin.

Avoid contact with eyes.

Safety Measures/Incompatibility

Wear protective gloves, protective clothing or face protection.

When using do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities

Recommendation for storage

Keep container tightly closed.

Store in a cool, dry place. Do not store in direct sunlight.

8. Exposure controls/personal protection

Exposure controls

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Eye wash station should be available.

Washing facilities should be available.

Individual protection measures



Respiratory protection Wear respiratory protection. Hand protection Wear protective gloves. Eye protection Wear eye/face protection.

9. Physical and Chemical Properties Information on basic physical and chemical properties Physical properties Appearance: Powder Color: Yellow-bark to dark-yellow Odor data N.A. Phase change temperature Initial Boiling Point/Boiling point data N.A. Melting point/Freezing point: 190°C Decomposition temperature data N.A. Flash point data N.A. Auto-ignition temperature data N.A. Explosive properties data N.A. Vapor pressure data N.A. Vapor density data N.A. Specific gravity/Density data N.A. n-Octanol /water partition coefficient data N.A.

10. Stability and Reactivity Chemical stability Stable under normal storage/handling conditions. Conditions to avoid Contact with incompatible materials. Contact with fire source. Incompatible materials Strong oxidizing agents Hazardous decomposition products

Carbon oxides, Nitrogen oxides

11. Toxicological Information Information on toxicological effects No Acute toxicity data available No Irritant properties data available No Allergenic and sensitizing effects data available No Mutagenic effects data available

- No Carcinogenic effects data available
- No Teratogenic effects data available
- No reproductive toxicity data available
- No STOT-single/repeated exposure data available
- No Aspiration hazard data available

Additional data

May cause lung disorders by massive inhalation of powdered substance.

-e.g. fibrosis of lung tissue, cough, sputum, breath shortness, dyspnea, decline of lung

function, interstitial lung disease, pneumothorax



12. Ecological Information

Ecotoxicity

No Aquatic toxicity data available

No Persistence and degradability data available

No Bioaccumulative potential data available

No Mobility in soil data available

Ozone depleting chemical data not available

# 13. Disposal considerations

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Waste treatment methods
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Dispose of contents/container in accordance with local/national regulation.

14. Transport Information Not applicable to UN NO.

### 15. Regulatory Information

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

TSCA

Alizarin complexone

Other regulatory information

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

# 16. Other information

The product is not applicable to GHS classifications.

#### Reference Book

Globally Harmonized System of classification and labelling of chemicals, (5th ed., 2013), UN Recommendations on the TRANSPORT OF DANGEROUS GOODS 19th edit., 2015 UN Classification, labelling and packaging of substances and mixtures (table3-1 ECNO6182012) 2016 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2017 TLVs and BEIs. (ACGIH)

http://monographs.iarc.fr/ENG/Classification/index.php

Supplier's data/information

Hazard Communication Standard - 2012

# **General Disclaimer**

This information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. It are advised to make their own tests to determinate the safety and suitability of each such product or combination for their own purposes.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

The GHS classification data given here is based on current Japan official data (NITE published in 2016).