

date of issue : 01/10/2014

## Safety Data Sheets

扫码联系

产品经理:



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

Product identifier :

Product name : CONAR-C 9102A RED

Product code(SDS NO) :G2014002699\_E1-1

Details of the supplier of the safety data sheet

Manufacturer/Supplier :NIKKO BICS.CO.,LTD

Address :1-3-5 UCHI-KANDA CHIYODA-KU,TOKYO 101-0047 JAPAN

Competent section :SDS support

Telephone number :81-3-3294-8311

FAX :81-3-3233-4436

Emergency telephone number :81-47-497-1371

### 2. Hazards identification

GHS classification and label elements of the product

Classification of the substance or mixture

HEALTH HAZARDS

Specific target organ toxicity-single exposure : Category 2

Specific target organ toxicity-repeated exposure : Category 2

(Note) GHS classification without description : Not applicable/Out of classification/Not classifiable

Label elements



Signal word :Warning

HAZARD STATEMENT

May causes damage to organs after single exposure

May causes damage to organs following repeated exposure

### 3. Composition/information on ingredients

Substance/Preparation :

Mixtures

Ingredient name:C.I. Pigment Red 254

content(%):42.5 - 47.5

Chemicals No, Japan:5-5896

CAS No.:84632-65-5

Ingredient name:Cellulose acetate butyrate

content(%):42.5 - 47.5

Chemicals No, Japan:8-168

CAS No.:9004-36-8

Ingredient name:Hexanedioic acid, diisononyl ester

content(%):2.5 - 7.5

Chemicals No, Japan:2-861;2-879

CAS No.:33703-08-1

Ingredient name: Additive

content(%): 2.5 – 7.5

CAS No.: Private

Ingredient name: Ethylcyclohexane

content(%): (As a residual solvent)

Chemicals No, Japan: 3-2231

CAS No.: 1678-91-7

Ingredient name: Isopropyl alcohol

content(%): (As a residual solvent)

Chemicals No, Japan: 2-207

CAS No.: 67-63-0

Ingredient name: Methyl ethyl ketone

content(%): (As a residual solvent)

Chemicals No, Japan: 2-542

CAS No.: 78-93-3

Note : The figures shown above are not the specifications of the product.

Components contributing to the hazard

Component(s) come under Labeling, etc. article of Industrial Safety and Health Act, Japan

Methyl ethyl ketone

Component(s) come under Deliver of Documents, etc. article of Industrial Safety and Health Act, Japan

Isopropyl alcohol, Methyl ethyl ketone

Not contain Component come under Harmful Substances article of PRTR Law, Japan

#### 4. First-aid measures

Descriptions of first-aid measures

General measures

Get medical attention/advice if you feel unwell.

IF INHALED

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF ON SKIN (or hair)

Wash with soap and water.

IF IN EYES :

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED

Seek medical advice immediately and show this container or label.

Rinse mouth with water.

#### 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

In case of fire, use water mist, foam, dry powder, CO2

Advice for firefighters

Specific fire-fighting measures

Keep personnel removed from and upwind of fire.

Be careful not to spill the material into the environment during firefighting measures.

Evacuate non-essential personnel to safe area.

Special protective equipment and precautions for fire-fighters

Firefighters should wear proper protective equipment.

## 6. Accidental release measures

### Personnel precautions, protective equipment and emergency procedures

- Wear proper protective equipment.
- Be careful not to slip on spilled area.
- Keep unauthorized personnel away.

### Environmental precautions

- Prevent spills from entering sewers, watercourses or low areas.
- Avoid raising dust.

### Methods and materials for containment and cleaning up

- Sweep up, place in a bag and hold for waste disposal.

### Preventive measures for secondary accident

- Prepare extinguishers before catching fire.
- Shut off all sources of ignition; No flares, smoking or flames in area.

## 7. Handling and storage

### Precautions for safe handling

#### Preventive measures

##### (Exposure Control for handling personnel)

- Do not breathe dust/fume/gas/mist/vapors/spray.
- Wear proper protective equipment.

##### (Protective measures against fire & explosion)

- Take precautionary measures against static discharge.

#### Safety treatments

- Prevent deposition of dust.
- Do not put dust in eyes.

#### Safety Measures/Incompatibility

- Wash hands et al thoroughly after handling.
- When using do not eat, drink or smoke.
- Do not use in areas without adequate ventilation.

### Conditions for safe storage, including any incompatibilities

#### Recommendation for storage

- Store locked up.
- Store in well-ventilated place. Keep container tightly closed.

#### Incompatible storage condition

- Keep away from heat.
- Do not expose to direct sunlight.

## 8. Exposure controls/personal protection

### Control parameters

#### Control value

- (Isopropyl alcohol)
- Japan control value (2004)  $\leq 200\text{ppm}$
- (Methyl ethyl ketone)
- Japan control value (1995)  $\leq 200\text{ppm}$

#### Adopted value

- (Isopropyl alcohol)
- JSOH(1987) (ceiling limit)  $400\text{ppm}$ ;  $980\text{mg}/\text{m}^3$
- (Methyl ethyl ketone)
- JSOH(1964)  $200\text{ppm}$ ;  $590\text{mg}/\text{m}^3$
- (Isopropyl alcohol)
- ACGIH(2001) TWA:  $200\text{ppm}$
- STEL:  $400\text{ppm}$  (Eye & URT irr; CNS impair)

(Methyl ethyl ketone)

ACGIH(1992) TWA: 200ppm

STEL: 300ppm (URT irr; CNS & PNS impair)

#### Exposure controls

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Individual protection measures

Respiratory protection

Wear respiratory equipment.

Hand protection

Wear suitable gloves.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear suitable protective clothing.

Safety and Health measures

Wash ... thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wash hands before breaks and at the end of work.

Gargle before breaks and at the end of work.

## 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical properties

Appearance :solid (powder/granule)

Color :red

Odor :N.A

pH :N.A

Phase change temperature

Melting point/Freezing point :N.A

Decomposition temperature :N.A

Auto-ignition temperature :N.A

Specific gravity/Density :1.4g/cm<sup>3</sup>

## 10. Stability and Reactivity

Chemical stability

This product is considered a stable material under normal and anticipated storage and handling conditions.

## 11. Toxicological Information

Information on toxicological effects

Acute toxicity

Acute toxicity (Oral)

[GHS Cat. Japan, base data]

(Isopropyl alcohol)

rat LD<sub>50</sub>=3437 mg/kg (cal.)

(Methyl ethyl ketone)

rat LD<sub>50</sub>=2483 mg/kg (PATTY 4th, 1994)

Acute toxicity (Dermal)

[GHS Cat. Japan, base data]

(Isopropyl alcohol)

rabbit LD<sub>50</sub>=4059 mg/kg (CERI hazard data, 1999)

## Acute toxicity (Inhalation)

[GHS Cat. Japan, base data]

(Methyl ethyl ketone)

vapor : rat LC50=11700 ppm/4hr (IRIS, 2003)

## Irritant properties

## Skin corrosion/irritation

Skin corrosion/Irritation component(s) data

[GHS Cat. Japan, base data]

(Methyl ethyl ketone)

rabbit 500 mg/24H ; MODERATE

## Serious eye damage /irritation

Eye damage/irritation component(s) data

[GHS Cat. Japan, base data]

(Isopropyl alcohol)

rabbit (CERI hazard data book, 1999et al)

No Allergenic and sensitizing effects data available

No Mutagenic effects data available

No Teratogenic effects data available

## Carcinogenicity

(Isopropyl alcohol)

IARC-Gr.3 : Not Classifiable as a Human Carcinogen.

(Isopropyl alcohol)

ACGIH-A4(2001) : Not Classifiable as a Human Carcinogen

## Reproductive toxicity

[GHS Cat. Japan, base data]

(Isopropyl alcohol) cat.2; ACGIH, 2003

Delayed and immediate effects and also chronic effects from short- and long-term exposure

## STOT

## STOT-single exposure

[cat.1]

[Japan published data]

(Methyl ethyl ketone) CNS ( IRIS, 2003 )

[cat.2]

[Japan published data]

(Methyl ethyl ketone) kidney ( IRIS, 2003 )

[cat.3(resp. irrit.)]

[Japan published data]

(Methyl ethyl ketone) Respiratory tract irritation ( IRIS, 2003 )

## STOT-repeated exposure

[cat.1]

[Japan published data]

(Methyl ethyl ketone) CNS; peripheral nervous system ( IRIS, 2003 )

No Aspiration hazard data available

## 12. Ecological Information

## Toxicity

## Aquatic toxicity

Aquatic acute toxicity component(s) data

[GHS Cat. Japan, base data]

(Ethylcyclohexane)

Algae (Pseudokirchneriella subcapitata) EC50 = 0.63 mg/L/72hr (EPA\_Japan, 2004)

(Methyl ethyl ketone)

Fish(top minnow) LC50 &gt; 100mg/L/96hr (EPA\_Japan, 1996)

## Water solubility

(Methyl ethyl ketone)

29 g/100 ml (20 C) (ICSC, 1998)

## Persistence and degradability

(Ethylcyclohexane)

OECD TG301BOD\_Degradation : 0% (Registered chemicals data check &amp; review, Japan 1998)

## Bioaccumulative potential

(Methyl ethyl ketone)

log Pow=0.29 (ICSC, 1998)

## 13. Disposal considerations

## Waste treatment methods

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

Do not dump into sewers, on the ground or into any body of water.

Use appropriate containment to avoid environmental contamination.

## 14. Transport Information

## UN No, UN CLASS

Not applicable to UN NO.

## Special precautions for user

Protect against direct sunlight or rain.

## 15. Regulatory Information

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

Industrial Safety and Health Act, Japan

Labeling, etc. (Article 18 of the Cabinet Order)

Methyl ethyl ketone

Deliver of Documents, etc. (Article 18-2, attached table 9)

Isopropyl alcohol; Methyl ethyl ketone

The product is not applicable to Pollution Release and Transfer Register (PRTR) law, Japan

Fire Service Act, Japan

Synthetic resin

Chemical Substances Control Law, Japan

Priority Assessment Chemical Substances (PACSs)

Isopropyl alcohol; Methyl ethyl ketone

## 16. Other information

## Reference Book

Globally Harmonized System of classification and labelling of chemicals, (4th ed., 2011), UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 18th edit., 2013 UN

2012 EMERGENCY RESPONSE GUIDEBOOK(US DOT)

2014 TLVs and BEIs. (ACGIH)

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

Supplier's data/information

## Other information

This document describes hazardous and harmful character at the shipping form.

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.