

Date of issue: 08/03/2018

Safety Data Sheet**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 9251A ORANGE

Product code(SDS NO): G4925102_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

Division: 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 cause damage to organs after single exposure

May cause damage to organs through prolonged or repeated exposure

3. Composition/information on ingredients

Mixture/Substance selection:

Mixture

Ingredient name:Diketo pyrrolo pyrrole

Content(%):32.5 – 37.5

CAS No.:Trade secret

Ingredient name:Cellulose acetate butyrate

Content(%):52.5 – 57.5

Chemicals No, Japan:8-168

CAS No.:9004-36-8

Ingredient name:Hexanedioic acid, diisononyl ester

Content(%):7.5 – 12.5

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

CAS No.:33703-08-1

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

Isopropyl alcohol , 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 person to fresh air and keep 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

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

Use appropriate extinguishing media suitable for surrounding facilities.

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

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

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

- Wear face protection.

Conditions for safe storage, including any incompatibilities

Recommendation for storage

- Store locked up.
- Store in a dry place. Store in a closed container.

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) 400ppm ; $980\text{mg}/\text{m}^3$
- (Methyl ethyl ketone)
- JSOH(1964) 200ppm ; $590\text{mg}/\text{m}^3$
- (Isopropyl alcohol)
- ACGIH(2001) TWA: 200ppm
- STEL: 400ppm (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: orange

Odor data N.A.

pH data N.A.

Phase change temperature

Initial Boiling Point/Boiling point data N.A.

Melting point/Freezing point data N.A.

Decomposition temperature data N.A.

Flash point data N.A.

Auto-ignition temperature data N.A.

Specific gravity/Density: 1.3

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 LD50=5480 mg/kg (EHC 103, 1990)

(Methyl ethyl ketone)

rat LD50=2737 mg/kg (EPA_JP risk assessment vol.6, 2008)

Acute toxicity (Dermal)

[GHS Cat. Japan, base data]

(Isopropyl alcohol)

rabbit LD50=12870 mg/kg (EHC 103, 1990)

Acute toxicity (Inhalation)

[GHS Cat. Japan, base data]

(Methyl ethyl ketone)

vapor : rat LC50=11700 ppm/4hr (PATY 6th, 2012)

Irritant properties

Skin corrosion/irritation

[GHS Cat. Japan, base data]

(Methyl ethyl ketone)

rabbit moderate (SIDS, 2011 et al)

Serious eye damage /irritation

[GHS Cat. Japan, base data]

(Isopropyl alcohol)

rabbit (PATY 6th, 2012 et al)

(Methyl ethyl ketone)

rabbit severe (SIDS, 2011 et al)

No Allergenic and sensitizing effects data available

No Mutagenic 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; PATY 6th, 2012

No Teratogenic effects data available

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

STOT

STOT-single exposure

[cat.1]

[Japan published data]

(Isopropyl alcohol) CNS; systemic toxicity (EPA_JP risk assessment vol.6, 2005)

[cat.2]

[Japan published data]

(Methyl ethyl ketone) kidney (HSDB, 2014)

[cat.3(resp. irrit.)]

[Japan published data]

(Isopropyl alcohol) Respiratory tract irritation (EPA_JP risk assessment vol.6, 2005)

(Methyl ethyl ketone) Respiratory tract irritation (EPA_JP risk assessment vol.6, 2008)

[cat.3(drow./dizz.)]

[Japan published data]

(Methyl ethyl ketone) Narcosis (EPA_JP risk assessment vol.6, 2008)

STOT-repeated exposure

[cat.1]

[Japan published data]

(Isopropyl alcohol) blood/blood system (EHC 103, 1990)

(Methyl ethyl ketone) nerve/nervous system (ACGIH 7th, 2001)

[cat.2]

[Japan published data]

(Isopropyl alcohol) respiratory apparatus/system; liver; spleen (EHC 103, 1990)

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)

(Isopropyl alcohol)

Fish (Atheriniformes) LC50 > 100 mg/L/96hr (EPA_Japan, 1997)

(Methyl ethyl ketone)

Fish (rainbow trout) LC50 > 100mg/L/96hr (EPA_Japan, 1996)

Aquatic chronic toxicity component(s) data

[GHS Cat. Japan, base data]

(Isopropyl alcohol)

Crustacea (*Daphnia magna*) NOEC > 100 mg/L/21days (EPA_Japan, 1997)

(Methyl ethyl ketone)

Algae (*Pseudokirchneriella subcapitata*) NOEC = 93 mg/L/72hr (EPA_Japan, 1996)

Water solubility

(Isopropyl alcohol)

In water, infinitely soluble (25 C) (HSDB, 2013)

(Methyl ethyl ketone)

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

Persistence and degradability

(Ethylcyclohexane)

OECD TG301BOD_Degradation : 0% (Registered chemicals data check & review, Japan 1998)

(Isopropyl alcohol)

Degrade rapidly (Degradation : 86% (Registered chemicals data check & review, 1993))

(Methyl ethyl ketone)

Degrade rapidly (BOD_Degradation : 89%/20 days (SIDS, 2011))

Bioaccumulative potential

(Isopropyl alcohol)

log Pow=0.05 (ICSC, 1999)

(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

Chemical Substances requiring Labeling and Deliver of Documents, etc.

Labeling, etc.

Isopropyl alcohol; Methyl ethyl ketone

Report required substances

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 (PACSSs)

Isopropyl alcohol; Methyl ethyl ketone

16. Other information

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

2012 EMERGENCY RESPONSE GUIDEBOOK(US DOT)

2017 TLVs and BEIs. (ACGIH)

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

Supplier's data/information

General Disclaimer

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.