# MATERIAL SAFETY DATA SHEET

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**JAPAN** 

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## 1. CHEMICAL PRODUCT IDENTIFICATION

Product Name NIKKOL VC-IP

Common Chemical Name Ascorbyl Tetraisopalmitate
Product Code (Supplier) NIKKO CHEMICALS CO., LTD.

INCI Name Ascorbyl Tetraisopalmitate

CAS Number 183476-82-6

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation: Substance

### Information on hazardous ingredients

Chemical Name % Cas Number EINECS Number

#### 3. HAZARD IDENTIFICATION

Human Health Hazards: Not expected if handled and used properly.

#### 4. FIRST AID MEASURES

**Effects and Symptoms:** 

Ingestion No adverse effects known Inhalation No adverse effects known

Skin Contact No known effects
Eye Contact No known effects

First Aid Measures:

Induce vomiting by letting victim drink plenty of water

(unless unconscious). Call a doctor at once.

Inhalation: Not a direct hazard.

Skin contact: Wipe affected part and flush with lots of water. Ask for

medical advice if skin is irritated.

Eye contact: Rinse thoroughly with a lot of water for some minutes.

Call a doctor if necessary.

### 5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable: Dry chemical. Carbon dioxide. Foam.

Special Firefighting Procedures: In case of insufficient ventilation, wear suitable

respiratory equipment.

Hazardous Thermal (de)composition Products: None

Protection of Firefighters: According to size of fire.

## 6.ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin and eyes.

Environmental Precautions: Do not empty into drains.

Methods of cleaning up Cover with absorbent material. Take up mechanically.

Rinse the remaining material with lots of water.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes.

Storage: Keep away from direct sunlight. Keep container tightly closed.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory System Protection: No special respirator needed.

Skin and Body Protection: Wear suitable protective clothing and gloves.

Hand Protection: Wear suitable gloves.

Eye Protection: Eye goggles, with side shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color:Colorless to light yellowOdor:Faint characteristic odorSpecific Gravity:0.930 - 0.943 (20)

Solubility in Water: Insoluble Flash Point: 256

10. STABILITY AND REACTIVITY

Conditions to avoid: The data available do not support any physical or

chemical hazard.

Materials to avoid: Not reactive Hazardous Decomposition Products: None

11. TOXICOLOGICAL INFORMATION

Skin Irritation: Human, 100 people, at 10% dilution in silicone: Non-primary irritation.

Human, 43 people, closed patch: no irritation.

Rabbit skin: Primary irritation index :0.3 (negligibly irritating).

Eye Irritation: Rabbit eye: Mildly irritating (M2). (Kay and Calandra interpretation of

the calculated maximum Draize score: 3.3).

Sensitization: Human, 100 people, at 10% dilution in silicone: Non-primary sensitizer.

Guinea pig skin, at 3% dilution in octyldodecyl myristate: Non-

sensitiser.

Acute toxicity: LD50= over 2,000mg/kg (rat/oral).

Mutagenicity test: Salmonella typhimurium reverse mutation assay and in the Escherichia

coli reverse mutation assay: Not mutagenic.

12. ECOLOGICAL INFORMATION

Biodegradability: < 10% - Not readily biodegradable under the conditions of the

modified Sturm test performed (Carbon dioxide CO<sub>2</sub> Evolution Test,

procedure based on 92/69/EEC and OECD 301.B).

13. DISPOSAL CONSIDERATIONS

Method of Disposal: Take notice of national special regulations.

14. TRANSPORT INFORMATION

Land - Road/Railway

This product is not classified according to ADR/RID
This product is not classified according to ADNR
Sea

This product is not classified according to IMDG
Air
This product is not classified according to IMDG
This product is not classified according to IATA
National Transport Regulations
No additional national transport regulations are

known to the supplier.

15. REGULATORY INFORMATION

Label name: NIKKOL VC-IP

# 16. OTHER INFORMATION

History

Date of issue August 22, 2005

Authorizer T. Murata

The statements made here are supposed to describe the product with regard to necessary safety precautions. They do not guarantee special characteristics and are made to the best of our current knowledge.

NIKKOL VC-IP

p. 3 of 3