JXTG Nippon Oil & Energy Corporation/ Cuctus normal paraffin N-13 CHS04/ 26 May 2017

### **SAFETY DATA SHEET**

## 1. Chemical product and company identification

Product Name Cactus normal paraffin N-13

Product code CHS04

**Company Name** JXTG Nippon Oil & Energy Corporation

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Contact Normal Paraffin & LAB Group, Aromatics Dept., Chemicals Division

#### 2. Hazards identification

**GHS Classification** 

Physical hazardsFlammable liquidsNot classified.Health HazardsAcute toxicity(oral)Not classified.Skin corrosion/irritation:Category 2Aspiration hazardCategory 1

#### **GHS-labeling**





Signal word Dange

**Hazard statement** Causes skin irritation.

May be fatal if swallowed and enters airways.

**Precautionary statement** 

**Prevention** Wash skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

**Response** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water.

Do NOT induce vomiting.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing. And wash it before reuse.

**Storage** Store locked up.

**Disposal** Dispose of contents/container in accordance with

local/regional/national/international regulations.

#### 3. Composition/information on ingredients

Substance

Components	CAS #	Content
n-Tridecane	629-50-5	≧ 98%

#### 4. First aid measures

First aid procedures Keep warm by blanket and keep at rest after first aid. Get medical attention

promptly.

**Inhalation** Move injured person into fresh air and keep person calm under observation.

Get medical attention if any discomfort continues.

**Skin contact** Remove contaminated clothing immediately and wash skin with soap and water.

Get medical attention promptly if symptoms occur after washing. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to

hospital.

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Eye contact Immediately flush with plenty of water for up to 15 minutes. Remove any contact

lenses and open eyelids wide apart. Get medical attention if irritation develops and

persists.

Ingestion Rinse mouth thoroughly. Do not induce vomiting. If vomiting occurs, the head

should be kept low so that stomach vomit doesn't enter the lungs. Get medical

attention immediately.

Expected acute symptoms and

delayed symptoms

Notes to physician

Personal protection for first-aid

responders

First aid personnel must be aware of own risk during rescue

Repeated exposure may cause skin dryness or cracking

Be aware that symptoms of chemical pneumonia (shortness of breath) may occur

several hours after exposure.

5. Fire-fighting measures

Extinguishing media

Extinguishing media to avoid

**Specific hazards** 

Extinguish with foam, carbon dioxide, or dry powder.

The product is flammable, and heating may generate vapors which may form

Do not use water jet as an extinguisher, as this will spread the fire.

explosive vapor/air mixtures. During fire, gases hazardous to health may be

formed.

**Specific firefighting method**Move containers from fire area if you can do it without risk. Use water spray to cool

unopened containers. Cool containers exposed to flames with water until well

after the fire is out

**Protection of fire-fighting** 

**Personnel** 

Selection of respiratory protection for firefighting: follow the general fire precautions

indicated in the workplace. Self-contained breathing apparatus and full protective

clothing must be worn in case of fire.

6. Accidental release measures

**Personal safety precautions** Stay upwind. Eliminate all ignition sources (no smoking, flares, sparks or flames in

immediate area). Avoid inhalation of vapors/spray and contact with skin and eyes. Wear appropriate personal protective equipment. For personal protection, see

section 8 of the MSDS.

**Environmental precautions**Avoid discharge into drains, water courses or onto the ground. Contact local

authorities in case of spillage to drain/aquatic environment.

**Recovery, neutralization** Remove sources of ignition. Stop the flow of material, if this is without risk. Absorb

spillage with non-combustible, absorbent material.

Clean-up methods and materials and containment

measures

Stop leakage if safe to do so.

Ground/bond all equipment used to handle the leaked substance. Vapor suppression foam is used to reduce the vapor concentration.

Use clean antistatic equipment when gathering absorbed material.

**Prevention of secondary** 

hazards

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

7. Handling and storage

Handling

**Engineering measures**Use non-sparking tools and explosion-proof equipment.

Provide adequate general and local exhaust ventilation.

Safety handling precautions Avoid inhalation of vapors and spray mist and contact with skin and eyes. Avoid

heat, sparks, open flames and other ignition sources. The product is flammable, and heating may generate vapors which may form explosive vapor/air mixtures. Wear appropriate personal protective equipment. Observe good industrial hygiene

practices. Oxidant

Contact avoidance

Storage

**Engineering measures** Provide adequate ventilation.

**Storage conditions** Keep away from heat, sparks and open flame. Keep containers tightly closed in a

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cool, well-ventilated place. Ground container and transfer equipment to eliminate

static electric sparks..

**Incompatible material** Oxidizing agent. Strong bases. Reducing agents

Container/packaging materials Use containers designated by the applicable law and the U.N. transportation

egulations.

## 8. Exposure controls/personal protection

**Occupational exposure limits** No exposure limits noted for ingredient(s).

Engineering measures Provide adequate ventilation and minimize the risk of inhalation of vapors and

mists. Use explosion-proof equipment.

**Protective equipment** 

Respiratory protection In case of inadequate ventilation, use suitable respiratory equipment with gas filter

for organic gas.

**Hand protection** Wear protective gloves. Chemical/oil resistant gloves are recommended. Be aware

that the liquid may penetrate the gloves. Frequent change is advisable.

**Eye protection** Wear approved safety goggles.

**Skin and body protection** Wear special protective clothing. Chemical/oil resistant clothing is recommended.

Hygienic measures Always observe good personal hygiene measures, such as washing after handling

the material and before eating, drinking, and/or smoking. Routinely wash work

clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

**Appearance** 

Physical stateLiquid.FormLiquid.

ColorTransparent, colorless.OdorSlight paraffinic.Odor thresholdNot available.Melting point/- 5.0°C

Freezing point

pH Not available.

Boiling point 226 - 229°C

Flammability limits in air, 0.7%

lower, % by volume

Flammability limits in air, 5.5 %

upper, % by volume

Flash point 106 °C Autoignition temperature 210 °C

 Density
 0.760g/cm3 (15°C)

 Solubility
 Water 0.05(mg/L) (27°C)

n-octanol/water partition

coefficient

Not available.

Vapor pressureNot available.Vapor density6.4 (Air=1)

#### 10. Stability and reactivity

**Stability** Stable at normal conditions.

**Possibility of hazardous reactions** Keep away from any possible contact with strong oxidizing agents.

**Conditions to avoid**Contact with incompatible hazard substances

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Prolonged heating, open flames, and ignition sources

**Contact avoidance**Use care to keep away from any possible contact with halogens, strong acids,

alkalis, and acidifying substances.

Hazardous decomposition products When burnt, may release carbon monoxide and other gases.

#### 11. Toxicological information

Acute toxicity

Oral, rat

LD<sub>50</sub> >20 mL/kg (Rat)

Inhalation  $LD_{50} > 200ppm (Rat)$ 

**Skin corrosion / irritation** Severe

**Germ cell mutagenicity** Negative in Ames

**Aspiration hazard** A kinematic viscosity < 20.5mm2/s,measured at 40°C.

#### 12. Ecological information di

**Ecotoxicity** 

Acute aquatic toxicity
Chronic aquatic toxicity
Persistence and degradability
Bioaccumulation
Mobility in soil
Other hazardous effect
No data available
No data available
No data available
No data available

### 13. Disposal considerations

Residual contents

Contaminated containers and

packaging

Dispose of in accordance with local regulations.

Since emptied containers retain product residue, follow label warnings even after

container is emptie.

#### 14. Transport information

#### IATA

UN No. Not relevant
 Proper shipping name Not relevant
 Hazard class Not relevant
 Packing group Not relevant

**IMDG** 

UN No. Not relevant
Proper shipping name Not relevant
Hazard class Not relevant
Packing group Not relevant
EmS No. Not relevant
Marine pollutant Not relevant

### 15. Regulatory information

Comply with applicable laws and regulations.

#### 16. Other information

The information and recommendations contained herein are, to the best knowledge and belief of JXTG Nippon Oil & Energy

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