

## SAFETY DATA SHEET (SDS)

### 1 Identification of the Chemical Product and the Company

**Product Name** : Neocresce IPO

**Company Identification**

**Company Name** : Chiba Flour Milling Co., Ltd.

**Address** : 17 Shinminato, Mihama-ku, Chiba-shi, Chiba, Japan

**Phone Number** : +81-43-241-0111

**FAX Number** : +81-43-245-1781

**Emergency Contact Number** : +81-43-241-0111 (Main)

**Email Address** : kikaku@chiba-seifun.co.jp

**Recommended Use and Restrictions on Use** : Cosmetic ingredient

### 2 Hazards Identification

#### GHS Classification

##### Physical hazards

Flammable liquids : Not classified

Pyrophoric liquids : Not classified

##### Health Hazards

Skin sensitization : Category 1

**Environmental Hazards** : No corresponding items exist in GHS classification.

**Hazards to Ozone-Layer** : No corresponding items exist in GHS classification.

\*Other items are "Not applicable" or "Classification not possible" at present.

#### GHS Label Elements

##### Pictogram



**Signal Word** : Warning

**Hazard Statement** : H317: May cause an allergic skin reaction

##### Precautionary Statements

**[Safety Measures]** : Avoid breathing gas/mist/vapours/spray.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves.

**[First-Aid Measures]** : IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.

**[Storage]** : None

**[Disposal]** : Dispose of contents/container to in accordance with  
local/regional/national/international regulation

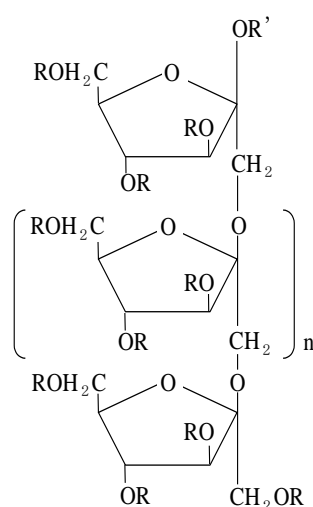
**Other Hazards** : No information available

### 3 Composition/Information on Ingredients

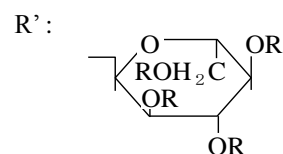
**Substance/Mixture** : Substance

**Chemical or Generic Name** : Fructooligosaccharide 2-hexyldecanoate

**Chemical Property (Rational or Structural Formula)**



R : Hexyldecanoyl group  
or hydrogen



or hexyldecanoyl group  
or hydrogen

n : Polymerization degree

**Impurities that contribute classification**

2-hexyldecanoic acid : 0-2.7%

**4 First-Aid Measures**

<b>Inhalation</b>	: Remove the victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice/attention.
<b>Skin Contact</b>	: Remove all contaminated clothing. Wash contaminated clothing before reuse. Wash skin with plenty of water and soap. If skin irritation occurs, seek medical advice/attention.
<b>Eye Contact</b>	: Rinse cautiously with water for several minutes. Then, remove contact lens if present and easy to do. Continue rinsing. If eye irritation continues, seek medical advice/attention.
<b>Ingestion</b>	: Rinse mouth. Do not induce vomiting. Seek medical advice/attention. Do not give anything through the mouth if the victim is unconscious.
<b>Most Important Acute and Delayed Symptoms</b>	: No information available
<b>Self-Protection of First-Aider</b>	: If necessary, wear protective equipment to avoid exposure of eyes or skin to the material during rescue activity.
<b>Special Notes for Doctors</b>	: No information available

**5 Firefighting Measures**

<b>Suitable Extinguishing Media</b>	: Water spray, powder, foam, carbon dioxide
<b>Unsuitable Extinguish Media</b>	: Straight stream
<b>Specific Hazards</b>	: Irritating or toxic gases may be generated in a fire.
<b>Specific Firefighting Methods</b>	: Keep unconcerned personnel out of the fire site and surrounding areas. Remove movable containers to safe places immediately. Keep adjacent containers and facilities cool by spraying with water to prevent the spread of fire. Firefighting should be done from the windward side. Be careful not to let the fire extinguishing materials enter into the environment.
<b>Protection for Fire-Fighters</b>	: When firefighting, wear suitable protective equipment (heat-resistant gloves, protective goggles, a protective mask, air breathing apparatus, heat-resistant protective clothing, etc.).

**6 Accidental Release Measures**

<b>Personal Precautions, Protection, and Emergency Measures</b>	: Take precautions to keep people out of the accident site area such as roping off. When dealing with leaks, wear appropriate protective equipment (see section 8). Do not touch the leakage or walk in it.
<b>Environmental Precautions</b>	: Take care that the product is not discharged into rivers, sewerage, and soil. Prevent the product from flowing into drains, sewers, basements, and closed spaces.
<b>Measures and Materials for Containment and Purification</b>	: Stop the leak if there is no danger. For a large-scale leak, implement appropriate containment measures such as building a dike to prevent the spread of the leak. If possible, suck up the material of the dike using a pump and collect the material in appropriate disposal containers. For a small-scale leak, wipe off the leaked material with an absorbent, such as rags, and collect the rags in appropriate disposal containers. The collected material should be disposed of in accordance with descriptions in 13 "Disposal Considerations."
<b>Prevention of Secondary Hazards</b>	: Remove all ignition sources around the accident site immediately. Prepare firefighting equipment such as an extinguisher in case the leakage ignites.

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## 7 Handling and Storage

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### Handling

Technical measures	: Carry out the measures described in 8 "Exposure Controls/Personal Protection." Wear appropriate protective equipment. Use explosion-proof equipment/facilities and take precautions against static electricity, such as grounding of the containers.
Local exhaust/general ventilation	: Work in a well-ventilated place provided with required local exhaust or general ventilation system.
Precautions for safe handling	: Keep away from heat, hot objects, sparks, open flames, and other ignition sources. No smoking. Avoid inhaling mist, vapor, and spray. Avoid eye and skin contact. Wash hands and face thoroughly after handling the product.

### Storage

Technical measures	: Provide storage areas with daylighting, lighting, and ventilating systems required for work. Use explosion-proof electrical equipment in storage areas and all equipment should be grounded.
Appropriate storage conditions	: Keep fire away. Seal the containers and store them in well-ventilated dry places avoiding direct sunlight. It is preferable to store the product in an unopened state.
Incompatible materials	: See 10 "Stability and Reactivity".
Packaging materials	: Use the packaging of the product.

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## 8 Exposure Controls/Personal Protection

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<b>Control Parameters</b>	: Not determined
<b>Allowable Exposure Limit</b>	
Japan Society for Occupational Health (2016)	: Not determined

<b>Engineering Controls</b>	:	Provide hand, eye, and body washing equipment near workplaces as needed. Provide required local exhaust or general ventilation.
<b>Protective Equipment</b>		
Respiratory protection	:	Wear appropriate respiratory protective equipment.
Hand protection	:	Wear appropriate impermeable protective gloves.
Eye protection	:	Wear protective glasses, protective goggles, a face protection, etc.
Skin and body protection	:	Wear long-sleeved clothing, protective clothing with long trousers, a protective apron, safety shoes, etc.
<b>Hygiene Measures</b>	:	Do not eat, drink, or smoke during work. Wash hands thoroughly after handling. Protective equipment should be checked regularly. Contaminated work clothing should not be allowed out of the workplace.

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## 9 Physical and Chemical Properties

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<b>Appearance (Physicochemical State, Form, Color, etc.)</b>	:	Colorless to light yellow liquid
<b>Odor</b>	:	Faint specific odor
<b>Odor Threshold Value</b>	:	No information available
<b>pH</b>	:	No information available
<b>Melting/Congearing Point</b>	:	No information available
<b>Boiling/Initial Boiling Point and Boiling Range</b>	:	No information available
<b>Flash Point</b>	:	208°C (Cleveland open-cup method)
<b>Evaporation Rate</b>	:	No information available
<b>Flammability</b>	:	No information available
<b>Upper/Lower Flammability Limit</b>	:	No information available
<b>Vapor Pressure</b>	:	No information available
<b>Vapor Density</b>	:	No information available
<b>Specific Gravity (Density)</b>	:	No information available
<b>Solubility in Water</b>	:	Not soluble
<b>Solubility in Solvents</b>	:	Xylene, Benzene, Chloroform
<b>N-Octanol/Water-Partition Coefficient</b>	:	No information available
<b>Auto-Ignition Temperature</b>	:	No information available
<b>Decomposition Temperature</b>	:	No information available
<b>Viscosity</b>	:	No information available
<b>Other Information</b>	:	No information available

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## 10 Stability and Reactivity

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<b>Reactivity and Chemical Stability</b>	:	Stable under normal handling conditions.
<b>Possibility of Hazardous Reactions</b>	:	No hazardous reactions occur under normal handling conditions.
<b>Conditions to Avoid</b>	:	Direct sunlight, exposure to heat, fire sources
<b>Incompatible Materials</b>	:	Oxidants, strong acids, strong alkalis
<b>Dangerous Decomposition</b>	:	No information available

## Products

### 11 Toxicological Information

Acute toxicity (Oral)	:	No information available
Acute toxicity (Dermal)	:	No information available
Acute toxicity (Inhalation: gases)	:	Correspond to a liquid in GHS definition.
Acute toxicity (Inhalation: vapor)	:	No information available
Acute toxicity (Inhalation: dust and mist)	:	No information available
Skin corrosion/irritation	:	Categorized as Classification not possible according only to a negative result from a 24-hour closed patch test with 20 subjects. *1
Serious eye damage/eye irritation	:	No information available
Respiratory sensitization	:	No information available
Skin sensitization	:	According to the SDS of 2-hexyldecanoic acid, which is one of the raw materials of this product, 2-hexyldecanoic acid is classified as Category 1B. 2-hexyldecanoic acid is existence in a concentration of 0 to 2.7% in the product as unreacted material. Therefore, the product was classified as Category 1. According to the RIPT (repeated insult patch test) with 50 subjects*2, the product has no primary skin irritation, cumulative skin irritation, and skin sensitization. This result is not taken into account, because it is not considered valid for evaluation purposes.
Germ cell mutagenicity	:	No information available
Carcinogenicity	:	No information available
Reproductive toxicity	:	No information available
Specific target organ toxicity (single exposure)	:	No information available
Specific target organ toxicity (repeated exposure)	:	No information available
Aspiration hazard	:	No information available
Others	:	-Bacterial reverse mutation test ( <i>Salmonella typhimurium</i> , <i>Eschericia coli</i> ): Negative *3 -In vitro 3T3 NRU phototoxicity test: Negative *4 -Primary skin irritation test using EpiDerm™ SIT (EPI-200) method, an alternative test method that uses 3D cultured skin model: Judged as a nonirritant *5 -Eye irritation test using EpiOcular™ EIT (OCL-200) method, an alternative test method which uses 3D cultured cornea model: Judged as a nonirritant *6

\*1 Describe the information of fructooligosaccharide 2-hexyldecanoate from an in-house document of Chiba Flour Milling Co., Ltd. (Test report of "24-hour human patch test", test number 4170131)

\*2 Describe the information from an in-house document of Chiba Flour Milling Co., Ltd. (RIPT (Repeated Insult Patch Test) using application of "fructooligosaccharide 2-hexyldecanoate")

\*3 Describe the information from an in-house document of Chiba Flour Milling Co., Ltd. (Bacterial reverse mutation test of fructooligosaccharide 2-hexyldecanoate).

\*4 Describe the information from an in-house document of Chiba Flour Milling Co., Ltd. (In vitro 3T3 NRU phototoxicity test of fructooligosaccharide 2-hexyldecanoate).

\*5 Describe the information of fructooligosaccharide hexyldecanoate from an in-house document of Chiba Flour Milling Co., Ltd. (Primary skin irritation test using EpiDerm™ SIT (EPI-200) method, an alternative test method which uses 3D cultured skin model)

\*6 Describe the information of fructooligosaccharide hexyldecanoate from an in-house document of Chiba Flour Milling Co., Ltd. (Eye irritation test using EpiOcular™ EIT (OCL-200) method, an alternative test method which uses 3D cultured cornea model)

## 12 Ecological Information

Hazards to the aquatic environment (acute)	:	No information available
Hazards to the aquatic environment (chronic)	:	No information available
Hazards to ozone-layer	:	The product does not contain components listed in Annexes of Montreal Protocol.
Other hazards	:	No information available

## 13 Disposal Considerations

<b>Residual Waste</b>	:	Dispose of the waste in accordance with applicable laws and regulations and local government regulations. If there is a waste disposal contractor approved by the prefectural governor or a local public organization that undertakes disposal, entrust disposal to one of such appropriate contractors.
<b>Contaminated Containers and Packaging</b>	:	Reuse the containers after washing or dispose of them appropriately in accordance with applicable laws and regulations and local government regulations. Remove the contents completely when disposing of the containers.

## 14 Transport Information

### International Regulations

Land transportation	:	Comply with regulations of ADR/RID.
Sea transportation	:	Comply with regulations of IMO.
Air transportation	:	Comply with regulations of ICAO /IATA.

UN number	:	Not applicable
UN classification	:	Not applicable

### Domestic Regulations

Land regulations	:	Comply with Fire Service Act.
Sea regulations	:	Comply with Ship Safety Act.
Air regulations	:	Comply with Civil Aeronautics Act.

<b>Specific Safety Measures and Conditions for Transportation</b>	:	Make sure that there is no container damage when transporting the product. Load the product carefully so that it is protected from falls, overturning, and breakage. Ensure measures to prevent collapse of cargo. Avoid transportation under direct sunlight and/or high temperature.
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<b>Emergency Response Guide Number</b>	:	-
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## 15 Regulatory information

Industrial Safety and Health Act	:	Dangerous Articles and Harmful Substances Whose Names Should Be Indicated or Notified Not applicable
Poisonous and Deleterious Substances Control Act	:	Not applicable

Pollutant Release and Transfer : Not applicable

Register Law

Fire Service Act : Group 4 of hazardous materials, Class 4 petroleum, Hazard Category III

Civil Aeronautics Act : Non-dangerous article

Ship Safety Act : Non-dangerous article

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## 16 Other information

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### References:

- 1) Globally Harmonized System of classification and labeling of chemicals, (4th., 2011), UN
- 2) JIS Z 7252:2014 and JIS Z 7253:2012
- 3) NITE CHRIP ([http://www.safe.nite.go.jp/japan/sougou/view/SystemTop\\_jp.faces](http://www.safe.nite.go.jp/japan/sougou/view/SystemTop_jp.faces))
- 4) SDSs of the raw materials
- 5) GHS classification guidance for enterprises (Revision in FY 2013 [Ver. 1.1]), Mar. 2015, Ministry of Economy, Trade and Industry

### [Note]

The contents herein were prepared based on reference materials, information, and data available at this time; however, there is no guarantee on the described contained amount, physicochemical properties, hazards, etc.

Please use this product on user's own responsibility referring this safety data sheet.

For special usage, safety measures suitable for the circumstances should be implemented, since the precautions described here were prepared for common uses.