

# Safety Data Sheet (SDS)

According to JIS Z 7253:2012

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product name : Diafactory Tinea Unguim  
Constituent reagent : (1) Test Strip  
(2) Extraction Buffer  
SDS number : CPS-F-5001C-ENG  
Manufacturer  
Company Name : JNC Corporation  
Address : Shin-Otemachi Bldg., 2-1, Otemachi 2-Chome, Chiyoda-ku, Tokyo, 100-8105, Japan  
Department : Life Chemicals Launch Office  
TEL No. 03-3243-6150  
FAX No. 03-3243-6219  
Emergency telephone number : 03-3243-6150  
Recommended uses and restrictions on use : Diagnostics reagent use only.

## Section 2: HAZARDS IDENTIFICATION

### (1) Test Strip

Hazard classification : This substance is not classified as dangerous according to Japanese regulations.  
GHS label elements : Not applicable

### (2) Extraction Buffer

Hazard classification : This substance is not classified as dangerous according to Japanese regulations.  
GHS label elements : Not applicable

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### (1) Test Strip

Ingredient : Test strip with sample pad (glass fiber), reagent paper (glass fiber), judgment paper (mixed cellulose ester · PET), absorbent pad (glass fiber) and protective cover (OPP) on a mount (PET).

### (2) Extraction Buffer

Substance/Mixture : Mixture

Chemical name	Composition(wt%)	Chemical formula	CAS No.	ENCS
Poly(oxyethylene) octylphenyl ether	2.0	C <sub>34</sub> H <sub>62</sub> O <sub>11</sub>	9002-93-1	(7)-172
ProClin 950	0.10	C <sub>4</sub> H <sub>5</sub> NOS	2682-20-4	(5)-5235
Water	97.6	H <sub>2</sub> O	7732-18-5	—
Confidential compounds	0.30	—	—	—

## Section 4: FIRST AID MEASURES

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms continue, call a doctor/physician.  
Skin contact : Wash the affected area with plenty of water with mild soap. If irritation is continued, medical attention is required.  
Eye contact : Immediately rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms continue, medical attention is required.  
Ingestion : Rinse mouth. If symptoms continue, call a doctor/physician.

## Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing media	: This product itself is non-flammable. Use extinguishing media appropriate for the surrounding fire.
Unsuitable extinguishing media	: No information available
Specific hazards arising from the chemical product	: Thermal decomposition can lead to release of irritating and toxic gases and vapors.
Special extinguishing method	: Move the vessel from fire place if safe. Remove ignition source if it is safe for handle.
Protection of firefighters	: Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

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## **Section 6: ACCIDENTAL RELEASE MEASURES**

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Personal precautions, protective equipment and emergency procedures	: Take measures against equipment described in "Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION" and wear protective equipment.
Environmental precautions	: To be careful not discharged to the environment.
Methods and materials for contaminant and methods and materials for cleaning up	: Absorb effluent by inactive material (Dry sand, Cray, etc.), put it waste container. Stop leakage if safe.
Secondary disaster prevention measures	: Prevent entry to drain, sewers, basement, closed place, public waters.

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## **Section 7: HANDLING AND STORAGE**

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### Handling

Technical measures	: No specific technical requirement
Safety handling precautions	: Avoid contact, inhalation, swallow. Avoid contact with eyes.

### Storage

Safe storage conditions	: Keep container tightly stoppered in a well-ventilated place (2 to 30 °C) to avoid direct Sunlight.
Safe packaging material	: No specific requirement for package and contained, sealed type, not damaged.

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## **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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### Occupational Exposure Limits

JSOH (Japan) (2016)	: Not Applicable
ACGIH (2005)	: Not Applicable

### Engineering controls

: Install hand washing and facial washing equipment near handling place.

### Personal protective equipment

Respiratory protection	: Wear proper respirator.
Hand protection	: Wear proper gloves.
Eye protection	: Wear proper safety goggles.
Skin and body protection	: Wear proper protective clothing.

### General hygiene considerations

: After handling, wash hands thoroughly. In places other than those specified, should not be smoking or eating and drinking.

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## **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

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Physical state (Form, Color)	: Clear liquid, Colorless
Odor	: No data available
pH	: 7.3 – 7.5
Melting point/freezing point	: No data available
Boiling point, initial boiling point and boiling range	: No data available
Flash point	: No data available
Upper/lower flammability or explosive limits	: No data available

Vapor pressure	: No data available
Vapor density	: No data available
Density	: No data available
Solubility in solvent	: No data available
n-Octanol/water partition coefficient: (log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Viscosity	: No data available

### Section 10: STABILITY AND REACTIVITY

Stability	: Stable under normal use/storage/ transport conditions.
Chemical stability	: Stable under normal use conditions.
Hazardous reactions	: Dangerous reactions are not known at all under normal use conditions.
Conditions to avoid	: There is nothing under recommended handling and storage conditions (Section 7: HANDLING AND STORAGE).
Hazardous decomposition products	: Under normal use and storage conditions, no harmful decomposition products are produced.

### Section 11: TOXICOLOGICAL INFORMATION

※No data available for Mixture (2) Extraction Buffer

Acute toxicity (Oral)	: Poly (oxyethylene) octylphenyl ether; LD50 (Rat) = 1800mg/kg (RTECS) ProClin 950; LD50 (Rat) = 1091mg/kg Water; LD50 (Rat) > 100000mg/kg (Assumed value) ※Since the estimated value of Acute toxicity of mixture was 45898mg/kg, it was out of Category.
Acute toxicity (Dermal)	: Poly (oxyethylene) octylphenyl ether; LD50 (Rabbit) = 8000mg/kg ProClin 950; LD50 (Rabbit) > 5000mg/kg Water; LD50 (Rabbit) > 100000mg/kg (Assumed value) ※Since the estimated value of Acute toxicity of mixture was 1024591mg/kg, it was out of Category.
Acute toxicity (Inhalation; gas)	: It is a liquid in the definition of GHS.
Acute toxicity (Inhalation; vapor)	: Water; LC50 (Rat) > 100000mg/kg (Assumed value) ※Since the estimated Acute toxicity of mixture was 1024591ppm, it was classified as outside of Category.
Acute toxicity (Inhalation; mist)	: Classification is impossible due to lack of data.
Skin irritation/corrosion	: No data available
Serious eye damage/irritation	: Poly (oxyethylene) octylphenyl ether; Recovered from 7 to 21 (Rabbit) (ECETOC TR 48 (2), 1998) ※Not classified because the component concentration in Category 2A of mixture is less than the concentration limit (10%) classified as hazard category.
Respiratory sensitization	: No data available
Skin sensitization	: No data available
Reproductive cell mutagenicity	: No data available
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
Aspiration hazard	: No data available

### Section 12: ECOLOGICAL INFORMATION

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※No data available for Mixture ((2) Extraction Buffer)

Eco toxicity

Aquatic environmental toxicity (acute) : Poly (oxyethylene) octylphenyl ether; LC50 (Bluegills) = 3 mg/L/96hr (ECETOC TR91, 2003) (Category 2)

※Acute toxicity of mixture Classification in category 2 is classified as out of Category because the component concentration is less than the concentration limit (25%).

Aquatic environmental toxicity (chronic) : Poly (oxyethylene) octylphenyl ether; Harmful to aquatic organisms due to long-term effects. (BIOWIN) (Category 2)

※Chronic hazard of mixture Classification in category 2 is classified as out of Category because the component concentration is less than the concentration limit (25%).

Persistence and degradability : No information available

Bio accumulative potential : No information available

Mobility in soil : No information available

Hazard to the ozone layer : No information available

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**Section 13: DISPOSAL CONSIDERATIONS**

Waste from residues : Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated container and contaminated packaging

: Disposal should be in accordance with applicable regional, national and local laws and regulations.

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**Section 14: TRANSPORT INFORMATION**

International restriction

DOT (US) : Not regulated

IMDG/IMO : Not regulated

IATA : Not regulated

ADR/RID : Not regulated

Domestic restriction

Rail and road transportation information : Not applicable

Marine transportation information : Not dangerous goods

Aviation transportation information : Not dangerous goods

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**Section 15: REGULATORY INFORMATION**

Fire Service Act : Not applicable

Poisonous and Deleterious Substances : Not applicable

Control Law

Industrial Safety and Health Law : Not applicable

Law Concerning Examination and : Not applicable

Regulation of Manufacture and Handling of Chemical Substances

Ship Safety Law : Not applicable

Civil Aeronautics Law : Not applicable

Act on Prevention of Marine Pollution and : Not applicable

Maritime Disaster

Pollutant Release and Transfer Register : Class 1 No.408; Poly (oxyethylene) octylphenyl ether (2.0%)

Law

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**Section 16: OTHER INFORMATION**

References : GHS Classification is according to JIS Z 7252 (2014)  
GHS Classification is according to JIS Z 7253 (2012)

NITE GHS classification results (2015)  
Japan Industrial Safety and Health Association GHS Model SDS  
It is described for each data.

[Disclaimer]

This SDS has been prepared based on the best available information however, it may not be sufficient in some cases. It is user's responsibility to modify or update any contents in this SDS regarding information on hazardous properties and/or instruction for safe handling of the product when they become available. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.

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