

SAFETY DATA SHEET

SDS: A1568-0000_E001

Date Prepared: 2022/12/20

Date Revised:

 Product Name: **NEWCOL 568**

1. Identification of the substance/mixture and of the company/undertaking

Product name: NEWCOL 568
 Identification of the supplier: Nippon Nyukazai Co., Ltd.
 Address: No.4-1.Nihonbashi Kobuna-cho, Chuo-ku, Tokyo 103-0024, Japan
 Charge section: Business Operation Department
 (TEL:+81-3-5651-5640,FAX:+81-3-5651-5646)
 Emergency telephone number: Business Operation Department
 (TEL:+81-3-5651-5640,FAX:+81-3-5651-5646)
 Recommended use: Emulsifier/dispersant,solubilizer,Wetting/penetrating agent
 Restrictions on use: Seek expert judgment when using for purposes other than those recommended.

2. Hazards identification

Hazard category Not applicable

3. Composition/information on ingredients

3.1. Substances

Ingredients and Concentration

Ingredient Name	Concentration wt.%	CAS RN®	Existing and New Chemical Substances (JAPAN)	Industrial Safety and Health Law Substances (JAPAN)	Industrial Safety and Health Law (JAPAN)	Pollutant Release Transfer Register Law (JAPAN)	Poisonous and Deleterious Substances Control Act (JAPAN)
			Gazette notice reference number	Gazette notice reference number	Notifiable Substances	Specified Substances	Poisonous and Deleterious Substances
Polyoxyethylene nonylphenylether	99-100	9016-45-9	7-172	Public	Not applicable	Applicable	Not applicable

4. First aid measures

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 If breathing is stopped, lie on your back and perform cardiopulmonary respiration.

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Skin contact:	Get medical advice/attention. Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water.
Eye contact:	If skin irritation or a rash occurs: Get medical advice/attention. Immediately flush eye with plenty of clean water for at least 15 minutes. (If easy to do, remove contact lenses, if worn.) Get medical attention immediately.
Ingestion:	After having swallowed it, Drink a large quantity of water when consciousness becomes clear and receive treatment for the doctor immediately.
Protection for first aid person:	A mouth must not give a person without the consciousness a thing. The rescuer wears a tool for appropriate protection depending on the situation.

5. Firefighting measures

Suitable extinguishing media:	Use water spray(fog), foam, dry chemical or CO ₂ .
Extinguishing media to avoid:	Straight stream water.
Specific hazards arising from the chemical:	At the time of fire, hazardous gases (carbon monoxide and others) can be generated.
Fire fighting:	Keep upwind of fire. Eliminate all ignition sources if safe to do so. In case of fire in the surroundings, move the content/container to the safety place. If it is not possible to move, cool the content/container with water spray.
Special protective equipment and precautions for fire fighters:	Gloves, protection glasses, wear fire, flame resistant, retardant clothing, air respiratory organs wear a tool for appropriate protection.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Promptly remove possible ignition sources from the vicinity. Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Environmental precautions: Methods and materials for containment and cleaning up:	To environment (area of the sea, the soil) must not release it. Absorb this product with inactive materials (example: dry sand, earth) and recover it into a waste material container. In the case of large amount, stop leakage with earth/sand to begin with, and, then, recover it. In the case of a small quantity, I adsorb it in the earth and sand, a waste and collect it in empty container which I can seal up after having removed it.

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7. Handling and storage

Handling

Technical measures:	During handling, be sure to wear proper protective equipment (refer to the section 8). This product can be charged with static electricity. Take countermeasures for static electricity removal (grounding, others). Wear antistatic clothes and antistatic shoes to prevent human body electrification. Use explosion-proof electrical/ventilating/lighting equipment.
Ventilation requirements:	Use the ventilation equipment described in Section 8.
Precautions for safe handling:	Not especially.

Storage

Storage conditions:	Store the containers avoiding direct sunlight. Store in less than 40°C in a well-ventilated room.
Safety adequate container materials:	Use the container specified by the Fire Service ACT and the United Nations Transport Regulations.

8. Exposure controls/personal protection

Appropriate engineering controls:	Use local ventilation equipment. Install eye and body washing facilities near the handling place. Display the position of equipment clearly.
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Control parameters

Ingredient Name	Industrial Safety and Health Law (JAPAN)	Japan Society for Occupational Health	ACGIH-TLV	
	Administrative Control Levels	Occupational Exposure Limits	TWA	STEL
Polyoxyethylene nonylphenylether	Not established	Not established	Not established	Not established

Personal protective equipment

Respiratory protection:	Use a gas mask for organic gases, air-supplied respirator, self-contained compressed air breathing apparatus on the situation.
Hand protection:	Organic solvent impermeable protective gloves (Antistatic ones are desirable.)

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Eye/face protection:	Protective glasses, goggle, protective face shield.
Skin/body protection:	Wear long-sleeved working clothes and protective shoes.(Antistatic ones are desirable.)
Hygiene measures:	Use an oiliness apron-resistant, boots depending on the situation. Wash with soap and water after handling.

9. Physical and chemical properties

Product

Form:	Solid (20°C) Liquid(40°C)
Color:	Colorless~Faint yellow
Odor:	Slight peculiar odor
Melting point/freezing point:	30-40(°C)
Initial boiling point and boiling range:	No data
Flammability (solid, gas):	No data
Upper/lower flammability or explosive limits:	No data
Flash point:	≥ 342(°C)
Auto-ignition temperature:	No data
Decomposition temperature:	No data
pH:	5-7(1%aq.)
Kinematic viscosity:	No data
Solubility:	water : Soluble.
Partition coefficient: n-octanol/water:	No data
Vapour pressure:	No data
Specific Gravity:	1.07(40°C)
Vapour density:	No data
Particle characteristics:	No data

10. Stability and reactivity

Chemical stability:	Stable under normal temperatures and pressures.
Possibility of hazardous reactions:	It may react with the oxidizing agent and generate heat.
Conditions to avoid:	Avoid heat, flames, sparks and ignition sources.
Incompatible materials:	Acid, Oxidizing agents.

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Hazardous decomposition products: No data available

11. Toxicological information

Product

Acute toxicity (oral):	No Classification
Acute toxicity (dermal):	No Classification
Acute toxicity (inhalation):	Classification not possible (Gas) Classification not possible (Vapour) Classification not possible (Dust/Mist)
Skin corrosion/irritation:	No Classification
Serious eye damage/irritation:	No Classification
Respiratory sensitization:	Classification not possible
Skin sensitization:	Classification not possible
Mutagenicity:	Classification not possible
Carcinogenicity:	Classification not possible
Reproductive toxicity:	Classification not possible
Target organ effect/Single exposure:	Classification not possible
Target organ effect/Multi exposure:	Classification not possible
Respiratory toxic:	Classification not possible

Ingredient

Polyoxyethylene nonylphenylether

Acute toxicity (oral):	No Classification Effect on animals : EO (20) rat LD50:> 16,000 mg / kg, EO (27) rat LD50: 3,670 mg / kg, EO (33) rat LD50: 3,730 mg / kg (Japan Surfactant Industry Association)
Acute toxicity (dermal):	No Classification Effect on animals : EO (40) Rabbit LD50:> 10000 mg / kg (NITE, Hazard Assessment (2007))
Acute toxicity (inhalation):	Classification not possible (Gas) Classification not possible (Vapour) Classification not possible (Dust/Mist)
Skin corrosion/irritation:	No Classification Mild [NZW rabbit] Effect on animals : NZW rabbit, EO (10 or more), result: No irritation-mild irritation (NITE, Hazard Assessment (2007)).

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Serious eye damage/irritation:	No Classification None [rabbit] Effect on animals : Rabbit, eye irritation test, EO (30 or more) stock solution 0.1%: No irritation (NITE, Hazard Assessment Report (2007))
Respiratory sensitization:	Classification not possible Effect on person : No data
Skin sensitization:	No Classification Effect on person : (EO 15, 50) Both skin reactions are negative, Effect on animals : NZW rabbit, EO (10 or more): Non-irritant to mild irritant (NITE, Hazard assessment (2007))
Mutagenicity:	Classification not possible No data
Carcinogenicity:	Classification not possible Insufficient data for classification.
Reproductive toxicity:	Classification not possible Insufficient data for classification.
Target organ effect/Single exposure:	Classification not possible Insufficient data for classification.

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Target organ effect/Multi exposure:	<p>Classification not possible</p> <p>"There is no information on humans.</p> <p>In experimental animals, several tests using rats and dogs have been conducted for this substance with different addition molar number of EO, and in many cases, liver weight increase is observed within the range up to Category 2.</p> <p>Hepatopathic degeneration with lipid deposition, focal necrosis of hepatocytes and necrosis of renal tubule, etc. are recognized in doses exceeding Category 2 in 90-day repeated dose toxicity test with mixed diet using rats (Hazard Assessment Report (CERI, NITE, 2007), Environmental Risk Assessment for Chemical Substances Vol.5 (Ministry of the Environment, 2006))</p> <p>In dogs, in the 90-day repeated dose toxicity test with mixed feeding (EO 4, 6, 15, 20, 30), local necrosis of the myocardium is reported only for EO 20, but the 2-year repeated dose toxicity test by mixed feeding Similar findings are not found in (EO 4, 9). Furthermore, similar findings were not found in multiple studies using rats (EO 4, 9, 40) (Hazard Assessment Report (CERI, NITE, 2007), Environmental Risk Assessment for Chemical Substances Vol.5 (Ministry of the Environment, 2006))</p> <p>From the above, it was classified as Classification not possible because there is no sufficient influence as a classification basis within the range of Category 2 and that there is no information of other routes.</p>
Respiratory toxic:	<p>Classification not possible</p> <p>Effect on person : No data</p>

12. Ecological information

Product

Ecotoxicity	
Acute toxicity:	No Classification
Chronic toxicity:	Classification not possible
Persistence and degradability :	No information.
Bioaccumulative potential :	No information.
Mobility in soil:	No information.
Hazardous to the ozone layer:	Classification not possible
Other impact :	No information.

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Polyoxyethylene nonylphenylether

Ecotoxicity

Acute toxicity:

No Classification

Fish:

EO(16.6) 48hr,LC50: 110 mg/L[Oryzias latipes], EO(30) 96hr,LC50:> 1000 mg/L[Lepomis macrochirus]

Daphnia:

EO(40) 48hr,LC50:> 100 mg/L[Americamysis bahia]

Algae:

No data

Chronic toxicity:

Classification not possible

Fish:

No data

Daphnia:

No data

Algae:

No data

Persistence and degradability :

Not rapidly biodegradable

Bioaccumulative potential :

Low bioconcentration

Hazardous to the ozone layer:

Classification not possible

13. Disposal considerations

Disposal methods: When waste materials and waste water are to be treated, collect them into specified containers and entrust the disposal to a disposal contractor having an industrial waste disposal contractor permit.

Do not use the used containers for other purposes like filling other substances. Be sure to dispose of them after treating the content according to the above description. In case of recycling the container, return the container as it is after fitting a stopper without filling anything into it.

14. Transport information

International UN classification : Not applicable

regulations UN number : Not applicable

Proper shipping name : Not applicable

Packing group : Not applicable

Domestic restriction: Transport the material in accordance with the regulations in your country or region.

Specific security precaution and condition of transportation: Load the containers in such a way as not to wet with water, fall down, tumble, or being damaged. Cover the loaded cargo to prevent direct sunlight.

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(ERG) Numbers:

15. Regulatory information

Regulatory information with regard to this substance in your country or region should be examined by your own responsibility.

16. Other information

Reference Information obtained in NITE (National Institute of Technology and Evaluation) and other literature surveys.

Disclaimer About the description: This SDS was created in accordance with JIS Z 7253 based on the materials and data available at the time of creation. Detailed information such as composition and ingredients corresponding to overseas legal regulation registration confirmation etc. may not be described, so please contact our sales staff separately if necessary. Precautions are for normal handling. In case of special handling, it is the responsibility of the user to take safety measures suitable for the intended use and usage. We have paid close attention to the contents, but we do not guarantee the contents. This product can only be used for industrial purposes. If you want to use it for other purposes, please contact us in advance.