

## SAFETY DATA SHEET (SDS)

SDS No: 135-1474EN

Date Prepared: 2020/03/17

Date Revised:

Product Name: **NOX-RUST 307-80K****1. Identification of the substance/mixture and of the company/undertaking**

Product name: NOX-RUST 307-80K  
 Company name: NIHON PARKERIZING CO. LTD  
 Address: 1-15-1 Nihonbashi, Chuo-ku, Tokyo  
 Charge section: Technology Administration Dept., Technical Div.  
 (TEL:+81 3-3278-4394, FAX:+81 3-3278-4422, E-mail:SDS@parker.co.jp)  
 Abbreviation: NR-30780K

**2. Hazards identification**

Hazard category	[Category]
Flammable liquids	Category 3
Acute toxicity (oral)	No Classification
Acute toxicity (dermal)	No Classification
Acute toxicity(vapour)	Category 2
Acute toxicity(dust, mist)	No Classification
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	No Classification
Carcinogenicity	Category 2
Toxic to reproduction	Category 1B
Specific target organ systemic toxicity following single exposure	Category 2
Specific target organ systemic toxicity following single exposure	Category 3
Specific target organ systemic toxicity following repeated exposure	Category 2
Aspiration hazard	Category 1
Acute hazards to the aquatic environment	Category 3
Chronic hazards to the aquatic environment	Category 3

## Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements: Flammable liquid and vapour.  
 Fatal if inhaled.  
 Causes skin irritation.  
 Suspected of causing cancer.  
 May damage fertility or the unborn child.

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May cause damage to organs (blood systems, respiratory apparatus, liver, kidney, central nerve system).

May cause respiratory irritation, or May cause drowsiness or dizziness.

May cause damage to organs (blood systems, nervous system, respiratory apparatus) through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

Harmful to aquatic life

Harmful to aquatic life with long lasting effects.

## Precautionary statements:

Prevention Avoid release to the environment.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep container tightly closed.

Keep away from heat/sparks/ open flames/hot surfaces and other sources of ignition. No smoking.

Ground the container when reloading substances that may be ignited by static electricity, or if the product is volatile and may generate toxic gas.

Use explosion-proof electrical/ventilation/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe in dust, fumes, gas, mist, vapours and spray.

Wash hands and face well after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear respiration protection equipment.

Wear protective gloves.

Wear protective glasses.

Wear protective clothing.

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

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

IF ON SKIN (or hair): Immediately remove all contaminated clothing. Rinse with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/physician.

Do NOT induce vomiting.

If skin irritation occurs: Get medical advice/attention.

In case of fire: Use foam, carbon dioxide, powder, or a wet chemical fire extinguisher to extinguish.

Storage Store in a well ventilated place. Keep container tightly closed.

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Store in a well ventilated place. Keep cool.

Store locked up.

Disposal Dispose of contents/containers through a disposal agent licensed by a prefectural governor.

**3. Composition/information on ingredients**

3.1. Substances Not Applicable

**3.2. Mixtures**

Ingredients and Concentration

Ingredient Name	Content wt. %	CAS RN
Solid paraffin	1-10	8002-74-2
Mineral oil	1-10	64741-89-5
Mineral oil	0.1-1	64742-65-0
Mineral oil	1-10	
Mineral oil	1-10	64742-53-6
Butyl cellosolve	1-10	111-76-2
Kerosine	20-30	8008-20-6
Kerosine (petroleum)	20-30	64741-77-1
Kerosene	20-30	64742-81-0
Xylene	1-10	1330-20-7
1,2,4-Trimethylbenzene	1.3	95-63-6

**4. First-aid measures**

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If breathing is irregular or stopped, loosen clothing, keep airway open, and perform artificial respiration.

If the victim is vomiting, turn the head to the side so that the vomit is not ingested.

Do not leave the victim alone.

Immediately call a POISON CENTER or doctor/physician.

Skin contact:

Wash with a large quantity of water.

Eye contact:

Rinse carefully with water for several minutes as necessary. Remove contact lenses if easy to do so and rinse.

If necessary, get medical advice/attention.

Ingestion:

Immediately call a POISON CENTER or doctor/physician.

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Protection for first aid person: Do NOT induce vomiting.  
 Wear protective gear listed in Section 8 "Exposure control and personal protection".  
 Ventilate if there are gas, vapours, mist or dust present.

**5. Fire-fighting measures**

Suitable extinguishing media: foam/carbon dioxide/powder/wet chemical fire extinguisher/dry sand  
 Extinguishing media to avoid: water (straight stream water, high pressure water)/straight stream wet chemical

**6. Accidental release measures**

Personal precautions, protective equipment and emergency procedures: During operation, wear protective equipment described in Section 8 : Exposure control/Personal protection, avoid contact with eyes and skin, and avoid breathing gas, dust and fumes.  
 Prevent a secondary disaster by prohibiting entry to the area and preventing people from entering unnecessarily.  
 If indoors, ensure good ventilation, and avoid breathing gas, vapors, mist and dust. If outdoors, work upwind and move away people who are downwind.

Environmental precautions: Do not release into the environment unless unavoidable.  
 If waste water treatment equipment is installed, contact the person responsible for waste water treatment and take measures to prevent release into the environment of waste water containing a large amount of the leaked product.

Methods and materials for containment and cleaning up: May cause harmful effects to aquatic life. Retrieve leaked substances to prevent them flowing into sewage and waterways.  
 Retrieve leaked substances and put in a sealable container, and transfer to a safe place. Handle adhering substances and waste material in accordance with relevant regulations.  
 Retrieve using tools made of materials that will not generate sparks due to shock or static electricity.  
 In case of a small spill, retrieve spilled material using absorbent such as sawdust, soil, sand, waste cotton, and wipe off remaining product with waste cotton/rag.  
 In case of a large spill, use dirt/sand (noncombustible) to stop it from flowing away, retrieve using tools that do not generate static electricity, and put into an empty container.

Prevention of second accident: Put the retrieved product in a container that can be sealed.  
 Prevent a secondary disaster by prohibiting entry to the area and preventing people from entering unnecessarily.  
 Contact the relevant divisions (safety, sanitation, environment, disaster prevention) and take appropriate measures.

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Prepare a proper extinguisher regulated in section 5: Fire-Fighting Measures, in case of ignition.

**7. Handling and storage**

## Handling

Technical measures:

Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 Keep away from heat/sparks/ open flames/hot surfaces and other sources of ignition. No smoking.  
 Use only outdoors or in a well-ventilated area.  
 Ground the container when reloading substances that may be ignited by static electricity, or if the product is volatile and may generate toxic gas.  
 Use explosion-proof electrical/ventilation/lighting equipment.  
 Do not get in eyes, on skin, or on clothing.  
 Install eye and body washing equipment for emergency use in the vicinity.  
 Avoid rough handling, such as tipping over, dropping, subjecting to shock and dragging containers.  
 Use explosion-proof equipment in accordance with the handling conditions (volume used, conditions of use).  
 Install exhaust equipment to prevent accumulation of flammable vapors.  
 Arrange equipment such that there are no sources of heat and fire in the vicinity.

Wear protective gear when handling and take necessary steps (exhaust/ ventilation equipment) to avoid exposure as specified in Section 8. Exposure Control and Personal Protection. Ensure that the workplace is well-ventilated.

Ventilation requirements:

Install ventilation equipment specified in Section 8. Exposure Control and Personal Protection when handling.

Precautions:

Precautions for safe handling:

Use this Safety Data Sheet (SDS) to assess risk, and based on the results, decide and observe appropriate handling methods.  
 Install equipment to prevent contact with skin, clothing, mucous membrane and eyes, or wear protective equipment to prevent exposure.  
 Wash face and hands after handling. Do not bring a contaminated protective equipment into the resting or eating area.

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Do not breathe in dust, fumes, gas, mist, vapours and spray.  
 Wash hands and face well after handling.

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Storage		Do not eat, drink or smoke when using this product.
	Storage conditions:	<p>Keep container tightly closed.</p> <p>Store in a well ventilated place. Keep container tightly closed.</p> <p>Store locked up.</p> <p>The product is flammable. Do not store together with oxidizing substances.</p> <p>Do not store different types of hazardous substances in the same storage place, in accordance with the Fire Service Act.</p> <p>Store in accordance with government ordinances in connection with regulation of hazardous substances and Rules in Connection with Regulation of Hazardous Substances.</p>
	Safety adequate container materials:	<p>If transferring to a different container, the new container must be labeled in accordance with the law.</p> <p>Use a container that meets the standards specified in "Rules in Connection with Regulation of Hazardous Substances".</p> <p>Use the product container or a container with the equivalent strength.</p>

## 8. Exposure controls/personal protection

Appropriate engineering controls:	<p>Contains an ingredient with specified permissible concentration.</p> <p>Install exhaust equipment and ensure proper ventilation to keep below the permissible concentration.</p> <p>Install hand wash and face wash facilities near the workplace, and wash hands and face after handling.</p>
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### Occupational Exposure Limits

Ingredient Name	Japan Society for Occupational Health	ACGIH	
	Occupational Exposure Limits	TWA	STEL/C
Solid paraffin	---	2mg/m <sup>3</sup>	---
Mineral oil	3mg/m <sup>3</sup> as oil mist	5mg/m <sup>3</sup> Pure, highly & severely refined, Inhalable particul	---

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Mineral oil	3mg/m3 as mist	5mg/m3 as mist	---
Mineral oil	3mg/m3 as mist	5mg/m3 as mist	---
Mineral oil	3mg/m3 as mist	5mg/m3 as mist	---
Butyl cellosolve	20ppmCeiling limit, Skin, 97mg/m3Ceiling limit, Skin	20ppm	---
Kerosine	---	200mg/m3 Application restricted to conditions in which there are negligib le aerosol exposure Skin	---
Kerosine (petroleum)	---	---	---
Kerosene	---	200mg/m3 Application restricted to conditions in which there are negligib le aerosol exposure Skin	---
Xylene	50ppm 217mg/m3	100ppm	150ppm
1, 2, 4-Trimethylbenzene	25ppm 120mg/m3	25ppm	---

## Personal protective equipment

Respiratory protection: Wear an appropriate respirator mask.

Hand protection: Wear protective gloves made of appropriate materials to prevent permeation/penetration of chemical.

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Contains an ingredient that may be absorbed through skin. Wear chemical-resistant protective gloves.

Eye/face protection: Wear appropriate protective goggles. Wear goggles or a face shield as necessary.

Skin protection: Wear proper protective clothing to avoid direct skin contact. Wear chemical-resistant protective clothing.

**9. Physical and chemical properties**

Product

Physical state: Liquid

Color: Pale brown - Dark brown

Odor: Present

Flash point: 41(°C)Tag Closed Cup

Specific Gravity (Density g/cm<sup>3</sup>): 0.8(15°C)

Kinematic viscosity: 1.31-1.71(mm<sup>2</sup>/sec)(40°C)

**10. Stability and reactivity**

Chemical stability: Stable under ordinary handling conditions.

Possibility of hazardous reactions: No information.

Conditions to avoid: No information.

Incompatible materials: oxidizing substance

Hazardous decomposition products: No information.

**11. Toxicological information**

Product

No data

Ingredient

Solid paraffin

Acute toxicity (oral): LD50: 3750-5000 mg/kg[rat]

Acute toxicity (dermal): LD50:> 3600 mg/kg[rabbit]

Acute toxicity (inhalation): Effect on animals: not entered

Skin corrosion/irritation: Mild [rabbit], Effect on person: not entered, Effect on animals: not entered

Serious eye damage/irritation: Mild [rabbit], Effect on animals: not entered

Respiratory sensitization: Effect on person: not entered

Skin sensitization: Effect on person: not entered



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Product Name: **NOX-RUST 307-80K**

Mutagenicity:	Other mutagenicity:Classification not possible
Carcinogenicity:	2 (JECFA (1993) ) 2 (EHC20 (1982) ) 1Classification not possible
Reproductive toxicity:	No data
Respiratory toxic:	Effect on person : not entered
Mineral oil	
	No data
Mineral oil	
Acute toxicity (oral):	LD50:> 5000 mg/kg[rat]
Acute toxicity (dermal):	LD50:> 5000 mg/kg[rabbit]
Acute toxicity (inhalation):	Effect on animals : not entered
Skin corrosion/irritation:	Effect on animals : not entered
Serious eye damage/irritation:	Effect on animals : not entered
Respiratory sensitization:	Effect on person : not entered
Skin sensitization:	Effect on animals : not entered
Mutagenicity:	Other mutagenicity:Classification not possible
Carcinogenicity:	IARC31 (IARC 33 (1987) )
Reproductive toxicity:	No data
Respiratory toxic:	Effect on person : not entered
Mineral oil	
	No data
Mineral oil	
Acute toxicity (oral):	LD50:> 5000 mg/kg[rat]
Acute toxicity (dermal):	LD50:> 2000 mg/kg[rat]
Acute toxicity (inhalation):	LC50: 2.18 mg/L[rat]
Skin corrosion/irritation:	Moderate [rabbit], Effect on animals : not entered
Serious eye damage/irritation:	Mild [rabbit], Effect on animals : not entered
Respiratory sensitization:	Effect on person : not entered
Skin sensitization:	Effect on animals : not entered
Mutagenicity:	Other mutagenicity:Classification not possible
Reproductive toxicity:	No data
Respiratory toxic:	Effect on person : not entered
Butyl cellosolve	
Acute toxicity (oral):	LD50: 470-3000 mg/kg[rat]
Acute toxicity (dermal):	LD50:> 2000 mg/kg[rat], LD50: 72-2000 mg/kg[rabbit]
Acute toxicity (inhalation):	LC50: 450-500 ppm[rat]
Skin corrosion/irritation:	Severe [rabbit], Effect on animals : not entered
Serious eye damage/irritation:	Severe [rabbit], Effect on person : not entered, Effect on animals : not entered
Respiratory sensitization:	Effect on person : not entered
Skin sensitization:	Effect on person : not entered, Effect on animals : not entered
Mutagenicity:	Other mutagenicity:Classification not possible

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Product Name: **NOX-RUST 307-80K**

	Carcinogenicity:	IARC:3, ACGIH:A3, EPA:Not likely to be carcinogenic to humans
	Respiratory toxic:	Effect on person : not entered
Kerosine	Acute toxicity (oral):	LD50:> 48000 mg/kg[rat]
	Acute toxicity (dermal):	Effect on animals : not entered
	Acute toxicity (inhalation):	Effect on animals : not entered
	Skin corrosion/irritation:	Effect on person : not entered
	Serious eye damage/irritation:	None [rabbit], Effect on animals : not entered
	Respiratory sensitization:	Effect on person : not entered
	Skin sensitization:	Effect on animals : not entered
	Mutagenicity:	Other mutagenicity:Negative
	Carcinogenicity:	ACGIH:A3
	Reproductive toxicity:	ACGIH (7th, 2001)IARC (45, 1989)NTP (TR 310, 1986)Classification not possible
	Respiratory toxic:	Effect on person : not entered
Kerosine (petroleum)	Acute toxicity (oral):	Effect on animals : not entered
	Acute toxicity (dermal):	Effect on animals : not entered
	Acute toxicity (inhalation):	Effect on animals : not entered
	Skin corrosion/irritation:	Effect on animals : not entered
	Serious eye damage/irritation:	Effect on animals : not entered
	Respiratory sensitization:	Effect on person : not entered
	Skin sensitization:	Effect on person : not entered
	Mutagenicity:	Other mutagenicity:Classification not possible
	Carcinogenicity:	EU:Category 3 : R40
	Reproductive toxicity:	No data
	Respiratory toxic:	Effect on person : not entered
Kerosene	Acute toxicity (oral):	LD50: 5000 mg/kg[rat]
	Acute toxicity (dermal):	LD50: 2000 mg/kg[rabbit]
	Carcinogenicity:	ACGIH:A3
Xylene	Acute toxicity (oral):	LD50: 3500-8800 mg/kg[rat]
	Acute toxicity (dermal):	LD50: 1700-4300 mg/kg[rabbit]
	Acute toxicity (inhalation):	LC50: 6350-6700 ppm[rat]
	Skin corrosion/irritation:	Severe [rabbit], Effect on animals : not entered
	Serious eye damage/irritation:	Moderate [rabbit], Effect on animals : not entered
	Respiratory sensitization:	Effect on person : not entered
	Skin sensitization:	Effect on person : not entered
	Mutagenicity:	Other mutagenicity:Classification not possible
	Carcinogenicity:	IARC:3, ACGIH:A4, EPA:Data are inadequate for an assessment of human carcinogenic potential
	Respiratory toxic:	Effect on person : not entered
1, 2, 4-Trimethylbenzene		

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Product Name: **NOX-RUST 307-80K**

Acute toxicity (oral):	LD50: 5000 mg/kg[rat]
Acute toxicity (dermal):	Effect on animals : not entered
Acute toxicity (inhalation):	LC50: 18 mg/L[rat]
Skin corrosion/irritation:	Effect on animals : not entered
Serious eye damage/irritation:	Effect on animals : not entered
Respiratory sensitization:	Effect on person : not entered
Skin sensitization:	Effect on animals : not entered
Mutagenicity:	Other mutagenicity:Negative
Carcinogenicity:	EPA:Inadequate information to assess carcinogenic potential
Respiratory toxic:	Effect on person : not entered

**12. Ecological information**

Product

No data

Ingredient

Solid paraffin

Ecotoxicity

Fish acute toxicity: No data

Daphnia acute toxicity: No data

Algae acute toxicity: No data

Fish chronic toxicity: No data

Daphnia chronic toxicity: No data

Algae chronic toxicity: No data

Persistence and degradability : No data

Bioaccumulative potential : No data

Mineral oil

No data

Mineral oil

Ecotoxicity

Fish acute toxicity: No data

Daphnia acute toxicity: No data

Algae acute toxicity: No data

Fish chronic toxicity: No data

Daphnia chronic toxicity: No data

Algae chronic toxicity: No data

Persistence and degradability : No data

Bioaccumulative potential : No data

Mineral oil

No data

Mineral oil

Ecotoxicity

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Product Name: **NOX-RUST 307-80K**

Fish acute toxicity:	No data
Daphnia acute toxicity:	48hrEC50:> 1000 mg/L[Daphnia magna]
Algae acute toxicity:	No data
Fish chronic toxicity:	No data
Daphnia chronic toxicity:	No data
Algae chronic toxicity:	No data
Persistence and degradability :	No data
Bioaccumulative potential :	No data

## Butyl cellosolve

## Ecotoxicity

Fish acute toxicity:	96hrLC50: 116 mg/L[Cyprinodon variegatus]
Daphnia acute toxicity:	96hrLC50: 130 mg/L[]
Algae acute toxicity:	No data
Fish chronic toxicity:	No data
Daphnia chronic toxicity:	No data
Algae chronic toxicity:	No data
Persistence and degradability :	Readily biodegradable
Bioaccumulative potential :	Low bioaccumulation

## Kerosine

## Ecotoxicity

Fish acute toxicity:	No data
Daphnia acute toxicity:	No data
Algae acute toxicity:	No data
Fish chronic toxicity:	No data
Daphnia chronic toxicity:	No data
Algae chronic toxicity:	No data
Persistence and degradability :	No data
Bioaccumulative potential :	No data

## Kerosine (petroleum)

## Ecotoxicity

Fish acute toxicity:	No data
Daphnia acute toxicity:	No data
Algae acute toxicity:	No data
Fish chronic toxicity:	No data
Daphnia chronic toxicity:	No data
Algae chronic toxicity:	No data
Persistence and degradability :	No data
Bioaccumulative potential :	No data

## Kerosene

No data

## Xylene

## Ecotoxicity

Fish acute toxicity:	96hrLC50: 3.3 mg/L[Oncorhynchus mykiss]
Daphnia acute toxicity:	96hrLC50: 7.4 mg/L[Palemonetes pugio]

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Algae acute toxicity:	No data
Fish chronic toxicity:	NOEC: 1.3 mg/L[Oncorhynchus mykiss]
Daphnia chronic toxicity:	No data
Algae chronic toxicity:	No data
Persistence and degradability :	Not rapidly biodegradable
Bioaccumulative potential :	No data

1, 2, 4-Trimethylbenzene

Ecotoxicity

Fish acute toxicity:	No data
Daphnia acute toxicity:	48hrEC50: 6.14 mg/L[Daphnia magna]
Algae acute toxicity:	No data
Fish chronic toxicity:	No data
Daphnia chronic toxicity:	No data
Algae chronic toxicity:	No data
Persistence and degradability :	Not rapidly biodegradable
Bioaccumulative potential :	Low bioconcentration

**13. Disposal considerations**

Disposal methods: Dispose of contents/container through a licensed disposal agent.

The residues generated in waste water treatment or incineration must also be disposed of in accordance with relevant laws and regulations on waste disposal and cleaning, or their disposal subcontracted.

If disposal is to be subcontracted, conclude an agreement with a licensed disposal agent and attach a manifest with each request.

Do not put anything inside containers to be recycled. Seal and return empty.

**14. Transport information**

Domestic restriction: Check that there are no leaks in the containers. Load carefully to prevent falling, dropping, damage, and load shifting.  
 Observe the cautions in Section 7. Handling and Storage Cautions.  
 Observe the methods specified in respective laws and regulations as applicable, including the Fire Services Act, Poisonous and Deleterious Substances Control Act, Explosives Control Act, and High Pressure Gas Safety Act.  
 In principle this product is for sale in Japan, and transport by ship or air is not anticipated.  
 Contact our sales office if it is necessary to transport the product by ship or air.

Specific security precaution and condition of transportation: Land transport: Observe provisions in connection with transport prohibitions and restrictions under the Road Act and other regulations.

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Sea transport: Observe the Ship Safety Act.

Air transport: Observe the Civil Aeronautics Act.

**15. Regulatory information**

This SDS is prepared in accordance with Japanese laws and regulations, and is not intended for use outside of Japan.

Users are responsible for confirming the relevant laws and regulations in connection with the use of this product in their country or region.

**16. Other information**

## Disclaimer:

This data sheet is prepared based on the knowledge of our company at the time of preparation, and does not guarantee the completeness or accuracy of the physical and chemical property values and danger and toxicity. The handling cautions are applicable to ordinary handling. Take separate safety measures in accordance with the circumstances if handling in an extra-ordinary manner or mixing with other substances. There are unknown dangers and toxicity in all chemical products, therefore pay special attention when handling and establish your own conditions for safe use upon your own liability. This Data Sheet has been prepared in accordance with the laws of Japan, and JIS and Japan Chemical Industry Association SDS guidelines, and is not intended to apply to use and transport overseas. GHS classifications (dangerous toxicity) not listed in Section 2 shall fall under "outside scope of classification" or "not able to be classified".

## Reference

GHS Classification Results Database, National Institute of Technology and Evaluation website  
GHS Model SDS Information, Japan Industrial Health and Safety Association website  
J-GLOBAL HP  
SDS issued by raw materials manufacturer