Shina-10

Safety Data Sheet

According to the United Nations GHS (Rev. 9, 2021)
Issue date: 1/14/2022 Revision date: 1/14/2022 Version: 1.0

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Substance
Trade name : Shina-10
CAS-No. : 26896-20-8
Formula : $C_{10}H_{20}O_2$

1.2. Other means of identification

Other means of identification : No information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : No information available
Restrictions on use : No information available

1.4. Supplier's details

Hebei Shield Excellence Technology Co., Ltd
Xincheng Industrial Zone of Yangfengang Bazhou Hebei Province China
065700
T +86-316-7555856, 7556499 - F +86-316-7555856
quality@hbshield.com; sales@hbshield.com

1.5. Emergency phone number

Emergency number : +86-316-7555856-826

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Acute toxicity (oral), Category 5 H303
Hazardous to the aquatic environment — Acute Hazard, Category 2 H401
Full text of H-statements: see section 16
Adverse physicochemical, human health and environmental effects : May be harmful if swallowed. Toxic to aquatic life.

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN) : None
Signal word (GHS UN) : Warning
Hazard statements (GHS UN) : H303 - May be harmful if swallowed.
H401 - Toxic to aquatic life.
Precautionary statements (GHS UN) : P273 - Avoid release to the environment.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : No information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Name	Product identifier	Classification according to the United Nations GHS
Neodecanoic acid	CAS-No.: 26896-20-8	Acute Tox. 5, H303 Aquatic Acute 2, H401

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable.

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects : May be harmful if swallowed.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Extinguishing powder, carbon dioxide, water spray, alcohol resistant foam.

Unsuitable extinguishing media : High volume water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Not flammable.

Explosion hazard : No direct explosion hazard.

Hazardous decomposition products in case of fire : Thermal decomposition can lead to the release of irritating gases and vapours, such as: carbon monoxide, carbon dioxide.

5.3. Special protective actions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate personnel to a safe area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure adequate ventilation, especially in confined areas.

6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment.

Emergency procedures : Do not eat, drink or smoke during use. Wash thoroughly after handling.

6.1.2. For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	:	Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.2. Environmental precautions

Avoid release to the environment. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

6.3. Methods and materials for containment and cleaning up

For containment	:	Collect spillage.
Methods for cleaning up	:	Absorb remaining liquid with sand or inert absorbent and remove to safe place.
Other information	:	Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Evacuate personnel to a safe area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	:	Keep away from food, drink and animal feeding stuffs. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Store locked up. Keep container tightly closed and in well ventilated place. Keep cool.
Incompatible materials	:	Strong oxidizing agents, bases, ammonia, primary and secondary amines, water and acids.
Storage temperature	:	No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available.

8.2. Appropriate engineering controls

Appropriate engineering controls	:	Ensure good ventilation of the work station.
Environmental exposure controls	:	Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection	:	Protective gloves.
Eye protection	:	Safety glasses.
Skin and body protection	:	Wear suitable protective clothing.
Respiratory protection	:	In case of insufficient ventilation, wear suitable respiratory equipment.

8.4. Exposure limit values for the other components

No additional information available.

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Liquid
Colour	:	Colourless
Odour	:	Faint odor
Odour threshold	:	Not available
Relative evaporation rate (butylacetate=1)	:	Not available
Melting point	:	< -30 °C (< -22 °F)

Freezing point	:	Not available
Boiling point	:	270 - 280 °C (518 - 536 °F)
Flammability	:	Non flammable
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	129 °C (264 °F)
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	Not available
pH solution	:	Not available
Viscosity, kinematic (calculated value) (40 °C)	:	45 mm^2/s (20 °C)
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	< 3 kPa (20 °C) (68 °F)
Vapour pressure at 50 °C	:	Not available
Density	:	Not available
Relative density	:	0.91 (20 °C)
Relative vapour density at 20 °C	:	5.9
Solubility	:	Not available
Viscosity, dynamic	:	Not available
Explosive properties	:	Product is not explosive
Oxidising properties	:	Non oxidizing
Particle size	:	Not applicable.

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong oxidizing agents, bases, ammonia, primary and secondary amines, water and acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	May be harmful if swallowed.
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Neodecanoic acid (26896-20-8)	
LD50 oral rat	2066 mg/kg (ECHA)
LD50 dermal rat	> 3640 mg/kg (ECHA)

Neodecanoic acid (26896-20-8)	
LC50 Inhalation - Rat	> 3 mg/L/6 h (ECHA)

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life.
Hazardous to the aquatic environment, short-term (acute) : Toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic) : Not classified.

Neodecanoic acid (26896-20-8)	
LC50 - Fish [1]	4.9 mg/L/96 h (Lepomis macrochirus, IUCLID)
EC50 - Crustacea [1]	47.11 mg/L/48 h (Daphnia magna, IUCLID)

12.2. Persistence and degradability

Shina-10	
Persistence and degradability	No additional information available

12.3. Bioaccumulative potential

Shina-10	
Bioaccumulative potential	No additional information available

12.4. Mobility in soil

Shina-10	
Mobility in soil	No additional information available

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport	Not regulated for transport	Not regulated for transport
14.2. UN Proper Shipping Name		
Not applicable.	Not applicable.	Not applicable.
14.3. Transport hazard class(es)		
Not applicable.	Not applicable.	Not applicable.
14.4. Packing group		
Not applicable.	Not applicable.	Not applicable.
14.5. Environmental hazards		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

14.6. Special precautions for user

UN RTDG
No data available

IMDG
No data available

IATA
No data available

14.7. Transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Neodecanoic acid (26896-20-8)

Listed on the Canadian DSL (Domestic Substances List)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

SECTION 16: Other information

Issue date : 14/01/2022
Revision date : 14/01/2022

Indication of changes:

Indication of changes:
No information available.

Abbreviations and acronyms	:	SDS - Safety Data Sheet LC50 - Median lethal concentration LD50 - Median lethal dose EC50 - Median effective concentration NOEC - No-Observed Effect Concentration IARC - International Agency for Research on Cancer IATA - International Air Transport Association IMDG - International Maritime Dangerous Goods
Data sources	:	ECHA. Loli.
Training advice	:	Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other information	:	No information available.

Full text of H-statements:	
H303	May be harmful if swallowed.
H401	Toxic to aquatic life.

Safety Data Sheet (SDS), UN

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.