Safety Data Sheet according to GHS

NEXCAT UC-T9 Catalyst

Version: 3.3 Revision Date: 06.01.2023 SDS Number: UA/CA/2020012

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product name
NEXCAT UC-T9 Catalyst

1.2 Recommended use of the chemical and restrictions on use
Identified uses: for production of polyurethane foam

1.3 Details of the supplier of the safety data sheet
OSiC performance materials (Shanghai) Co., Ltd.
No.1218 Songsheng Road, Songjiang Industrial Park
201600 Shanghai, China
Tel: 86-21-57747366
Fax: 86-21-57745249

Jiangsu OSiC performance materials Co., Ltd.
No.56, Nanhai Rd., Yangtze River International Chemical Industry Park,
215633 Zhangjiagang, China
Tel: 86-512-5833 9310
Fax: 86-512-5833 9320

1.4 Emergency telephone number
86-21-62679090

2. HAZARDS IDENTIFICATION

2.1 Emergency Overview

Appearance	
Color:	Pale yellow
Physical state:	Liquid
Odor:	Faint
Hazard Statement(s)	Causes serious eye damage.
	May cause an allergic skin reaction.
	Suspected of damaging fertility or the unborn child.

2.2 GHS Classification
Health Hazards:

Serious Eye Damage/ Eye Irritation	Category 1
Skin sensitizer	Category 1
Toxic to reproduction	Category 2

2.3 Physical and chemical hazards
Symbol(s):

Signal Word: Danger

Hazard Statement(s): Causes serious eye damage.
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.

Precautionary Statement:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Wear eye protection/face protection. Avoid breathing vapors. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Response: IF exposed or concerned: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Storage: Store locked up.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in classification:

Primary hazards: No data available.

Specific hazards: No data available.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Chemical nature: Stannous octoate

3.2 Substance or Preparation:
Substance

Chemical Identity	CAS number	Concentration*
STANNOUS OCTOATE	301-10-0	>60%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Impurities and stabilizing additives which contribute to the hazard

Chemical Identity	CAS number	Concentration*
2-Ethylhexanoic acid	149-57-5	<10%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Protection of first-aiders:
If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation: Move person to fresh air.

Skin contact: Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention. Wash contaminated clothing before reuse.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

Ingestion: If swallowed, do NOT induce vomiting. Give a glass of water.

4.2 Most important symptoms and effects, both acute and delayed

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: Treatment is symptomatic and supportive.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam. Carbon dioxide (CO_2). Dry chemical.

Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Exposure to fire can generate toxic fumes.

5.3 Advice for firefighters

Fire Fighting Procedures: Do not use water jet as an extinguisher, as this will spread the fire. Use water spray to keep fire-exposed containers cool.

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Avoid contact with eyes, skin, and clothing. Avoid contact with liquid and vapors. Use personal protective equipment.

6.2 Environmental precautions
Do not allow runoff to sewer, waterway or ground.

6.3 Methods and materials for containment and cleaning up
Absorb spillage with suitable absorbent material. Shovel up and place in a container for salvage or disposal.

6.4 Notification Procedures
Remove sources of ignition. In case of spills, beware of slippery floors and surfaces. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the National Rivers Authority or other appropriate regulatory body.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Wash hands after handling. Provide adequate ventilation. Avoid inhalation of vapors and spray mists.

7.2 Conditions for safe storage
Store in a dark, cool place indoors with container tightly closed. Avoid any source of heat, direct sunlight and strong light. Store in original container. Keep away from sources of ignition - No smoking.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters
General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment.
Occupational Exposure Limits: No data available.

8.2 Individual protection measures
Eye/face protection: Use safety glasses (with side shields).
Skin protection: Chemical resistant clothing Chemical resistant boots.
Hand protection: No data available.
Hygiene measures: Avoid contact with eyes. When using do not smoke. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Liquid
Color	Clear to amber
Odor	Faint
Odor Threshold	No data available
pH	No data available

Freezing point	Not determined
Boiling point	Not determined
Flash point	>142 °C (ASTM D 93)
Evaporation Rate	No data available
Flammability (solid, gas)	Not applicable
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor Pressure	No data available
Relative Vapor Density (air = 1)	No data available
Density	1.25g/cm3 (25°C)
Relative Density	No data available
Solubility in Water	Insoluble
Solubility (other)	No data available
Partition coefficient: n-octanol/water Log Pow:	Calculated.
Autoignition Temperature	No data available
Decomposition Temperature	No data available
SADT	No data available
Viscosity, dynamic	No data available
Viscosity, kinematic	No data available
Explosive properties	No data available
Oxidizing properties	No data available

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

10.1 Reactivity
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: Hazardous polymerisation does not occur.

10.2 Conditions to avoid
Incompatible materials: Oxidizing agents.
Hazardous decomposition products: In case of fire, gives off (emits): Carbon oxides, Oxides of tin. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

11. TOXICOLOGICAL INFORMATION

Toxicological information appears in this section when such data is available.

11.1 Exposure routes
Inhalation: No data available.
Eye contact: No data available.
Skin contact: No data available.

Ingestion: No data available.

11.2 Information on toxicological effects

Acute toxicity

Oral
Product: LD50(Rat): 3,400 mg/kg.

Dermal
Product: LD50(Rat): > 2,000 mg/kg.

Inhalation
Product: No data available.
Not classified for acute toxicity based on available data.

Repeated dose toxicity
Product: No data available.

Specified substance(s)
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid No data available.

Skin corrosion/irritation
Product: (Rabbit): Irritating.

Serious eye damage/eye irritation
Product: (Rabbit): Irritating to eyes.

Respiratory or Skin sensitization
Product: No data available.

Germ Cell Mutagenicity

In vitro
Product: Ames-Test: negative.

In vivo
Product: No data available.

Specified substance(s)
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid No data available.

Carcinogenicity
Product: No data available.

Specified substance(s)
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid No data available.

Reproductive toxicity
Product: No data available.

Specified substance(s)
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid No data available.

Specific Target Organ Toxicity - Single Exposure
Product: No data available.
Specified substance(s)
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid No data available.

Specific Target Organ Toxicity - Repeated Exposure
Product: No data available.

Specified substance(s)
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid No data available.

Aspiration Hazard
Product: No data available.

Specified substance(s)
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid No data available.

Metabolism: No data available.

Other effects: May cause: - liver damage.

12. ECOLOGICAL INFORMATION

Ecotoxicological information appears in this section when such data is available.

12.1 Ecotoxicity
Acute toxicity
Fish
Product: No data available.

Specified substance(s)
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid No data available.

Aquatic Invertebrates
Product: No data available.

Specified substance(s)
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid No data available.

Chronic toxicity
Fish
Product: No data available.

Specified substance(s)
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid No data available.

Aquatic Invertebrates
Product: No data available.

Specified substance(s)

STANNOUS OCTOATE	No data available.
2-Ethylhexanoic acid	No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

STANNOUS OCTOATE	No data available.
2-Ethylhexanoic acid	No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Specified substance(s)

STANNOUS OCTOATE	No data available.
2-Ethylhexanoic acid	No data available.

12.3 Bioaccumulative Potential

No data available.

12.4 Mobility in Soil

No data available.

Known or predicted distribution to environmental compartments

STANNOUS OCTOATE	No data available.
2-Ethylhexanoic acid	No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1 General information

Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

13.2 Treatment and disposal methods

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

The generation of waste should be avoided or minimized wherever possible. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

14. TRANSPORT INFORMATION

14.1 Classification for ROAD and Rail transport Not regulated.

14.2 Classification for SEA transport (IMO-IMDG)	Not regulated.
14.3 Classification for AIR transport (IATA/ICAO)	Not regulated.

Special precautions for user: This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

15. REGULATORY INFORMATION

15.1 Applicable regulations:

Factories Act
Act on the Control of Transboundary Movements of Hazardous Wastes and their Disposal Environmental Public Health Act
Environmental Public Health (Toxic Industrial Waste) Regulations
Singapore. Hazardous Substances Control List (Environmental Protection and Management Act, Second Schedule, Part 1, Control of Hazardous Substances)
Environmental Pollution Control (Hazardous Substances) Regulations

15.2 International regulations

International lists:	Australia AICS:	y (positive listing)
	EU EINECS List:	y (positive listing)
	Japan (ENCS) List:	y (positive listing)
	China Inventory of Existing Chemical Substances:	y (positive listing)
	Korea Existing Chemicals Inv. (KECI):	y (positive listing)
	Canada DSL Inventory List:	y (positive listing)
	Canada NDSL Inventory:	n (Negative listing)
	Philippines PICCS:	y (positive listing)
	US TSCA Inventory:	y (positive listing)
	New Zealand Inventory of Chemicals:	y (positive listing)
	Taiwan. Taiwan inventory (CSNN):	y (positive listing)

16. OTHER INFORMATION

Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.