

NEXCAT UC A-33 Catalyst

Version: 3.4

Revision Date: 10.01.2023

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product name

NEXCAT UC A-33 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:	Amine like
Hazard Statement(s)	Harmful if swallowed. Causes serious eye damage. Causes skin irritation.

2.2 GHS Classification

Health Hazards:

Acute toxicity(Oral) Category 4

Skin Corrosion/Irritation Category 2

Serious Eye Damage/
Eye Irritation Category 1

Product Name: NEXCAT UC A-33 Catalyst

2.3 Physical and chemical hazards

Symbol(s):



Signal Word:

Danger

Hazard Statement(s):

Harmful if swallowed.
Causes serious eye damage.
Causes skin irritation.

2.4 Precautionary Statement:

Prevention:

Wear protective gloves. Wear eye protection/face protection. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Response:

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. 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:

Not applicable.

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.

2.5 Other hazards which do not result in classification:

Primary hazards:

No data available.

Specific hazards:

No data available.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Components	CAS number	Concentration*
Dipropylene glycol	25265-71-8	67%
Triethylenediamine (TEDA)	280-57-9	33%

CHEMICAL FAMILY: Tertiary Amines In Solvent.

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.

Product Name: NEXCAT UC A-33 Catalyst

Inhalation: Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Get medical attention.

Skin contact: Take off immediately all contaminated clothing. Wash area with soap and water. Wash contaminated clothing before reuse.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist.

Ingestion: Do NOT induce vomiting. If conscious, drink plenty of water. Get medical attention immediately. Do not give victim anything to drink if he is unconscious.

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 (CO₂). 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

No data available.

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

Avoid discharge into drains, water courses or onto the 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.

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

Keep container tightly closed. Keep away from sources of ignition - No smoking.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits: No data available.

8.2 Individual protection measures

Eye/face protection: Use safety glasses (with side shields).

Skin protection: Wear suitable protective clothing and eye/face protection.

Hand protection: No data available.

Hygiene measures: Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	Liquid
Color	Colorless / Pale yellow
Odor	Amine like
Odor Threshold	No data available.
pH	No data available.
Freezing point	<-20°C
Boiling point	>149 °C (86.64hPa)
Flash point	88 °C (ASTM D 93)
Evaporation Rate	<1
Flammability (solid, gas)	No data available.
Lower explosion limit	No data available.
Upper explosion limit	No data available.
Vapor Pressure	< 1.03 hPa (38 °C)
Relative Vapor Density (air = 1)	> 1
Density	1.0330 g/cm ³ (25°C)
Relative Density	1.033(25°C)
Solubility in Water	Soluble
Solubility (other)	No data available.
Partition coefficient: n-octanol/water	No data available.

Product Name: NEXCAT UC A-33 Catalyst

Log Pow:

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: Acids. Oxidizing agents. Halogens.

Hazardous decomposition products: In case of fire, gives off (emits): Carbon oxides, Nitrogen Oxides.

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: No data available.

Dermal

Product: No data available.

Inhalation

Product: No data available.

Repeated dose toxicity

Product: No data available.

Product Name: NEXCAT UC A-33 Catalyst

Skin corrosion/irritation

Product: No data available.

Serious eye damage/eye irritation

Product: No data available.

Respiratory or Skin sensitization

Product: No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Carcinogenicity

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Metabolism: No data available.

Other effects: Contains one or more amines which may react with nitrites or other nitrosating agents to form nitrosamines. Some nitrosamines have been shown to be carcinogenic in laboratory animals.

12. ECOLOGICAL INFORMATION

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

12.1 Ecotoxicity

Acute toxicity

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Chronic toxicity

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

12.3 Bioaccumulative Potential

No data available.

12.4 Mobility in Soil

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

Can be incinerated when in compliance with local regulations.

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

Product Name: NEXCAT UC A-33 Catalyst

Singapore. Hazardous Substances Control List (Environmental Protection and Management Act, Second Schedule, Part 1, Control of Hazardous Substances)
Environmental Pollution Control (Hazardous Substances) Regulations

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.