SAFETY DATA SHEET

according to JIS Z 7253:2019

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Sebacoyl Chloride
Product code	:	S0030
Company	:	TOKYO CHEMICAL INDUSTRY CO., LTD.
Address	:	6-15-9 Toshima, Kita-ku, Tokyo 114-0003, Japan
Responsible Department	:	Global Business Department
Telephone	:	+81-3-5640-8878
Telefax	:	+81-3-5640-8902
E-mail address	:	globalbusiness@tcichemicals.com
Recommended use	:	For laboratory research purposes.
Restrictions on use	:	Not for drug or household use.

Supplier contact details in Australia

Company	:	ChemSupply Australia Pty Ltd
Address	:	38-50 Bedford Street, Gillman SA 5013
Telephone	:	(08) 8440 2000
Emergency telephone number	:	(CHEMCALL®, 24 hours): 1800 127 406 (Australia), +64 4 917 9888 (International)

2. HAZARDS IDENTIFICATION

GHS classification of chemical product

Corrosive to Metals	:	Category 1
Acute toxicity (Oral)	:	Category 4
Acute toxicity (Dermal)	:	Category 2
Skin corrosion/irritation	:	Category 1B
Serious eye damage/eye irritation	:	Category 1

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements :
May be corrosive to metals.
Harmful if swallowed.
Fatal in contact with skin.
Causes severe skin burns and eye damage.

Precautionary Statements :

Prevention:

Keep only in original container.
Do not get in eyes, on skin, or on clothing.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
Rinse mouth.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
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.
Take off immediately all contaminated clothing and wash it before reuse.
Absorb spillage to prevent material damage.

Storage:

Store locked up.
Store in corrosive resistant container with a resistant inner liner.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Components

Chemical name	CAS RN	Concentration (% w/w)	ENCS/ISHL number
Sebacoyl Chloride	111-19-3	95	2-2616

4. FIRST AID MEASURES

If inhaled : Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER or doctor/ physician.

In case of skin contact : Take off all contaminated clothing immediately.
If on skin, rinse well with water.
If skin irritation or rash occurs: Get medical advice/ attention.

In case of eye contact : Rinse with plenty of water.
If easy to do, remove contact lens, if worn.
Immediately call a POISON CENTER or doctor/ physician.

If swallowed : Immediately call a POISON CENTER or doctor/ physician.
Rinse mouth.
Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed : None known.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Dry powder, Dry sand, Carbon dioxide (CO2)
Unsuitable extinguishing media : Water
Specific hazards during fire fighting : No information available.
Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Immediately evacuate personnel to safe areas.
Remove undamaged containers from fire area if it is safe to do so.

Special protective equipment for fire-fighters : Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Wear suitable protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.
Environmental precautions	:	Prevent product from entering drains.
Methods and materials for containment and cleaning up	:	Collect as much of the spill as possible with a suitable absorbent material.

7. HANDLING AND STORAGE

Handling

Technical measures	:	Prevent generation of vapor or mist.
Local/Total ventilation	:	Ensure adequate ventilation. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Use a local exhaust ventilation.
Advice on safe handling	:	Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Wash hands and face thoroughly after handling. Open drum carefully as content may be under pressure. Keep only in original packaging.
Avoidance of contact	:	Oxidizing agents, Bases, water

Storage

Conditions for safe storage	:	Keep container tightly closed. Store in a refrigerator. Protect from moisture. Keep under inert gas. Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Threshold limit value and permissible exposure limits for each component in the work environment

Contains no substances with occupational exposure limit values.

Engineering measures	:	Install a closed system or local exhaust. Also install safety shower and eye bath.

Personal protective equipment

Respiratory protection	:	Gas mask Self-contained breathing apparatus
Hand protection	:	Impervious gloves
Eye protection	:	Safety glasses Safety goggles Face-shield
Skin and body protection	:	Impervious protective clothing

*Use personal protective equipment(PPE) approved under appropriate government standards and follow local and national regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	liquid
Color	:	yellow - brown
Odor	:	No data available
Odor Threshold	:	No data available
Melting point/freezing point	:	-3 °C
Boiling point/boiling range	:	167 °C (15 hPa)
Flammability	:	No data available
Lower explosion limit and upper explosion limit / flammability limit		
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	164 °C
Decomposition temperature	:	No data available
pH	:	No data available
Autoignition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Solubility(ies)		
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water (log value)	:	No data available
Vapor pressure	:	No data available
Density and / or relative density		
Relative density	:	1.12
Relative vapor density	:	No data available
Molecular weight	:	239.14 g/mol

10. STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Decomposes in contact with water and liberates toxic gases.
Conditions to avoid	:	Heat. Exposure to moisture.

Incompatible materials	:	Oxidizing agents, Bases, water
Hazardous decomposition products	:	Carbon monoxide, Carbon dioxide (CO2), Hydrogen chloride gas

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	:	Assessment: The component/mixture is moderately toxic after single ingestion.
Acute dermal toxicity	:	Assessment: The component/mixture is highly toxic after single contact with skin.

Components:

Sebacoyl Chloride:

Acute oral toxicity	:	LD50 (Rat): 400 mg/kg Assessment: The component/mixture is moderately toxic after single ingestion.
Acute dermal toxicity	:	LD50 (Guinea pig): 56 mg/kg Assessment: The component/mixture is highly toxic after single contact with skin.
Acute toxicity (other routes of administration)	:	LD50 (Rat): 50 mg/kg Application Route: Intraperitoneal injection

Skin corrosion/irritation

Product:

Result	:	Causes burns.

Components:

Sebacoyl Chloride:

Result	:	Causes burns.

Serious eye damage/eye irritation

Product:

Result	:	Irreversible effects on the eye

Components:

Sebacoyl Chloride:

Result	:	Irreversible effects on the eye
Respiratory or skin sensitization	:	No information available.
Germ cell mutagenicity	:	No information available.
Carcinogenicity	:	No information available.
Reproductive toxicity	:	No information available.
STOT-single exposure	:	No information available.

STOT-repeated exposure : No information available.

Repeated dose toxicity : No information available.

Aspiration toxicity : No information available.

RTECS No. : HD8454250 (Sebacoyl Chloride)

12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Hazardous to the ozone layer
Not applicable

Other adverse effects
No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Disposal in accordance with local and national regulations.
Entrust disposal to a licensed waste disposal company.

Contaminated packaging : Disposal in accordance with local and national regulations.
Before disposal of used container, remove contents completely.

14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

UN/ID No. : UN 2922
Proper shipping name : Corrosive liquid, toxic, n.o.s.
Class : 8
Subsidiary risk : 6.1
Packing group : II

IMDG-Code

UN number : UN 2922
Proper shipping name : CORROSIVE LIQUID, TOXIC, N.O.S.

Class : 8
Subsidiary risk : 6.1
Packing group : II
EmS Code : F-A, S-B

ERG Code : 154

15. REGULATORY INFORMATION

Related Regulations

Fire Service Law

Group 4, Type 3 petroleums, Water insoluble liquid, Hazardous rank III

Chemical Substance Control Law

Not applicable for Specified Chemical Substance, Monitoring Chemical Substance and Priority Assessment Chemical Substance.

Industrial Safety and Health Law

Harmful Substances Prohibited from Manufacture

Not applicable

Harmful Substances Required Permission for Manufacture

Not applicable

Substances Prevented From Impairment of Health

Not applicable

Circular concerning Information on Chemicals having Mutagenicity - Annex 2: Information on Existing Chemicals having Mutagenicity

Not applicable

Circular concerning Information on Chemicals having Mutagenicity - Annex 1: Information on Notified Substances having Mutagenicity

Not applicable

Substances Subject to be Notified Names

Not applicable

Substances Subject to be Indicated Names

Not applicable

Ordinance on Prevention of Hazards Due to Specified Chemical Substances

Not applicable

Ordinance on Prevention of Lead Poisoning

Not applicable

Ordinance on Prevention of Tetraalkyl Lead Poisoning

Not applicable

Ordinance on Prevention of Organic Solvent Poisoning

Not applicable

Poisonous and Deleterious Substances Control Law

Not applicable

Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof

Not applicable

Narcotics and Psychotropics Control Act

Not applicable

Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals

Not applicable

16. OTHER INFORMATION

Date format : yyyy/mm/dd

This SDS was prepared sincerely based on the information obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are sup-

posed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling operations, sufficient care should be taken, in addition to the safety measures suitable for the given situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.