

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier :

N-Decyl-N,N-Dimethyl-3-Ammonio-1-Propane-Sulfonate

Synonyms :

3-(癸基二甲基銨)丙烷-I-磺酸內鹽

SB-10

SB-10-A

CAS Number:

15163-36-7

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Synthesis of substances

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

TAIWAN HOPAX CHEMS. MFG. CO.,LTD

No. 28 Huadong Rd., Daliao Dist., Kaohsiung City 831134

TAIWAN-ROC

1.4 Emergency telephone number:

+886-7-7887600 / +886-7-7872892

SECTION 2. Hazards Identification

2.1 Classification of the substance or mixture

Skin corrosion/irritation 2

H315 Causes skin irritation

Serious eye damage/eye irritation 2

H319 Causes serious eye irritation

2.2 Label elements

Hazard pictograms



GHS07

Signal word

Warning

Hazard statements

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash hands, forearms and face thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 If on skin: Wash with plenty of water

P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P312 Call a poison center or doctor if you feel unwell
P321 Specific treatment (see supplemental first aid instruction on this label)
P332+P313 If skin irritation occurs: Get medical advice/attention.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable

SECTION 3. Composition / Information on ingredients

3.1 Pure material

Chemical name:

N-Decyl-N,N-Dimethyl-3-Ammonio-1-Propane-Sulfonate

CAS No.

15163-36-7

Formula

$C_{15}H_{33}NO_3S$

Molecular weight

307.49 g/mol

3.2 Mixtures :

Not applicable

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General information:

Check the vital functions. Unconscious: maintain adequate airway and respiration.

Respiratory arrest: artificial respiration or oxygen.

Cardiac arrest: perform resuscitation.

Victim conscious with labored breathing: half-seated.

Victim in shock: on his back with legs slightly raised.

Vomiting: prevent asphyxia/aspiration pneumonia.

Prevent cooling by covering the victim (no warming up).

Keep watching the victim. Give psychological aid.

Keep the victim calm, avoid physical strain.

Depending on the victim's condition: doctor/hospital

After inhalation:

Remove the victim into fresh air.

Respiratory problems: consult a doctor/medical service.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water

If eye irritation persists, consult a physician.

Do not apply neutralizing agents.

After swallowing:

Rinse out mouth and then drink plenty of water.

Induce vomiting, if person is fully conscious. Seek medical help.
If vomiting occurs, the head should be kept low so that vomit does not enter the lungs (aspiration).

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides
Nitrogen oxides (NO_x)
Sulfur oxides.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection Equipment for Emergency Responders:
Keep away from ignition sources.
Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

6.2 Environmental precautions:

Dump down dust with water spray.
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.
Pick up mechanically using appropriate tools.
Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid raising dust.
Keep away from naked flames/heat. In finely divided state: use spark-/explosionproof appliances.
Finely divided: keep away from ignition sources/sparks.
Carry operations in the open/under local exhaust/ventilation or with respiratory protection.
Comply with the legal requirements.
Remove contaminated clothing immediately.
Clean contaminated clothing.

Thoroughly clean/dry the installation before use.
Powdered form: no compressed air for pumping over.
Keep container tightly close

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Store in original, properly-sealed container in ambient conditions for temperature and humidity.
Avoid exposure of material to direct sunlight. Isolate from any source of heat or ignition.
Storage class (TRGS 510): 13: Non Combustible Solids

Heat-ignition

Keep substance away from heat sources. ignition sources

Information on mixed storage

Keep substance away from oxidizing agents/water/moisture

Special rules on packaging

closing. watertight. dry. clean. correctly labeled meet the legal requirements.
Secure fragile packaging's in solid container

7.3 Specific end use(s)

No further relevant information available.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

No further relevant information available.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Avoid inhalation.
Avoid contact with the eyes and skin.
Immediately remove all soiled and contaminated clothing.
Store protective clothing separately.
Wash hands before breaks and at the end of work.

Respiratory protection:

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Recommended filter device for short term use: Filter FFP2

Protection of hands:



Protective gloves

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail

sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

SECTION 9. PHYSICAL/CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General Information

Physical state	crystalline powder
Colour	White
Odor	slight characteristic odor
Odor Threshold	No data available
pH	No data available
Melting point/freezing point	Melting point :>217°C (>422F) dec.
Boiling point or initial boiling point and boiling range	No data available
Flammability	No data available
Lower and upper explosion limit	
Lower:	No data available
Upper:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	
Viscosity, Kinematic	No data available
Viscosity, dynamic:	No data available
Dynamic:	No data available
Solubility	10g/100ml(water)
Partition coefficient n-octanol/water	No data available
Vapour pressure at 20 °C:	No data available
Density	No data available

Relative density	No data available
Vapour pressure	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other information:

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity:

No data available

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature)

10.3 Possibility of hazardous reactions:

No data available

10.4 Conditions to avoid:

No data available.

10.5 Incompatible materials:

Strong oxidizing agents

10.6 Hazardous decomposition products:

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Oral: No data available

Inhalation: No data available

Dermal: No data available

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC:

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH:

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP:

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA:

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

No data available

12.2 Persistence and degradability:

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

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects:

No data available

13. DISPOSAL CONSIDERATIONS**13.1 Methods of waste disposal:**

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION**14.1 UN number or ID number**

ADR/RID, IMDG, IATA-DGR: Not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR: Not applicable

14.4 Packing group

ADR/RID, IMDG, IATA-DGR: Not applicable

14.5 Environmental hazards:

ADR/RID, IMDG Marine pollutant, IATA-DGR: No

14.6 Special precautions for user: Not applicable.**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

UN "Model Regulation":

15. REGULATORY INFORMATION**15.1 Applicable regulations:****SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know ComponentsN,N-Dimethyl-N-(3-sulfopropyl)-1-decanaminium
hydroxide, inner salt**New Jersey Right To Know Components**N,N-Dimethyl-N-(3-sulfopropyl)-1-decanaminium
hydroxide, inner salt**California Prop. 65 Components**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

15.2 Safety, health and environmental regulations specific for the product in question:**Inventory of Existing Chemical Substances in China (IECSC)**

Substance is not listed.

Chemical Substance Inventory in Taiwan, China (TCSI)

Substance is listed.

Japan Existing and New Chemical Substances Inventory (ENCS)

Substance is not listed.

Korea Existing Chemicals List (KECL)

Substance is not listed.

Korea Priority Existing Chemicals List (PEC)

Substance is not listed.

TSCA Chemical Substance Inventory

Substance is not listed.

EU EINECS/ELINCS/NLP

Substance is not listed.

New Zealand Inventory of Chemicals (NZIoC)

Substance is not listed.

Philippine Inventory of Chemicals and Chemical Substances (PICCS)

Substance is not listed.

Australian Inventory of Industrial Chemicals (AIIC)

Substance is not listed.

Canada Domestic Substances List (DSL)

Substance is not listed.

Canada Non-domestic Substances List (NDSL)

Substance is not listed.

Thailand Existing Chemicals Inventory (TECI)

Substance is not listed.

15.3 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

NOAEL: Non Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

According to Regulation 1907/2006 (EC), Article 31

Date that the SDS was prepared:	2026/01/13
Version:	5.1

Disclaimer

This SDS was prepared sincerely on the basis of the information we could obtain. 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 product is to be used, which shall be given the first priority.

The product is supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added hereafter. If the product is to be used beyond 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, sufficient care should be taken in addition to the safety measures suitable for the 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 product 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 upon each user's own responsibility.

End of Safety Data Sheet