

MATERIAL SAFETY DATA SHEET

Ref. No. : LS2101	Issue date : October 2003	Issued by LABSCAN ASIA
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PRODUCT NAME : SODIUM CHLORIDE

COMPANY DETAILS

Company Name	LABSCAN ASIA CO., LTD.		
Address	24 Rama 1 Road, Pathumwan, Bangkok 10330 Thailand		
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Emergency Tel.	Tel : 662-613-7911-4		

HAZARDS IDENTIFICATION

Product Name	SODIUM CHLORIDE		
Proper Shipping Name	SODIUM CHLORIDE		
Other Names	<u>Name</u>	<u>Grade</u>	<u>Labscan Code</u>
	SODIUM CHLORIDE	AR	K2101
UN No.	-		
D.G. Class	-		
Packing Group	-		
EEC-No	-		
Class	-		
CAS-No	7647-14-5		
HAZARDS IDENTIFICATION	No hazardous products as specified in Directive 67/548/EEC.		

FIRST AID

General advice:	Show this safety data sheet to the doctor in attendance.
Inhalation:	Move to fresh air.
Skin contact:	Remove contaminated clothing and wash affected skin with soap and water.
Eye contact:	If substance has got into the eyes, immediately wash out with plenty of water.
Ingestion:	Rinse mouth. If swallow large amounts. Consult doctor if feeling unwell.

FIRE - FIGHTING MEASURES

Suitable extinguishing media:
In adaption to material stored in the immediate neighborhood.

Other information:
Non-combustible. Prevent fire-fighting water from entering surface water or groundwater.

ACCIDENTAL RELEASE MEASURES

Personal precautions:	Goggles or face shield and rubber or plastic gloves. Plastic apron, sleeves, boots-if handling large quantities. Need dust respirator.
Environmental precautions:	Do not allow to enter sewerage system.
Methods for cleaning up:	Take up dry. Forward for disposal. Clean up affected area.

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SAFE HANDLING AND STORAGE INFORMATION

Handling: Keep container tightly closed.
Storage: Keep container tightly closed in a dry cool, well-ventilated place.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: SODIUM CHLORIDE
National occupational exposure limits: Not available.

Personal protection equipment:

- **Respiratory protection:** If dusty conditions are encountered, wear approved dust respirator.
- **Hand protection:** Rubber and plastic gloves.
- **Eye protection:** Goggles and eyewash station.
- **Skin and body protection:** Protective clothing should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of the protective clothing to chemical should be ascertained with the respective supplier.

Hygiene measures:

Keep working clothes separately. Keep away from food, drink and animal feeding stuffs.
 Wash hand after working with substance.

PHYSICAL DATA AND OTHER PROPERTIES

Formula		NaCl	
MW		58.44	g/mol
Form		Solid	
Colour		Colourless	
Odour		Odourless	
pH	(20°C)	4.5-7.0	(at 100 g/l H ₂ O)
Boiling point/range		1461°C	
Melting point/range		801°C	
Flash point		not available	
Autoignition temperature		not available	
Explosion limits			
	- lower	not available	
	- upper	not available	
Vapor pressure	(865°C)	1.3	hPa
Density	(20°C)	2.17	g/ml
Bulk density		~1140	kg/m ³
Solubility			
	Water solubility (20°C)	358	g/l
	Ethanol (25°C)	0.51	g/l

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STABILITY AND REACTIVITY

Stability: Stable at normal conditions.
Conditions to avoid: No information available.
Materials to avoid: Alkali metals.
Hazardous decomposition products: No information available.

TOXICOLOGICAL INFORMATION

Acute toxicity: LD 50 (oral, rat) : 3000 mg/kg.
LD 50 (dermal, rabbit) : > 10000 mg/kg.
Skin contact : Slight irritant effect on skin.
Slight irritant effect on eye.
Nausea, vomiting after swallowing of large amounts.
Long term toxicity: Noncarcinogenic in animal experiments.
No mutagenic effect in animal experiments.
No impairment of reproductive performance suspected.
No teratogenic effect in animal experiments.

ECOLOGICAL INFORMATION

Mobility: Concentration in organism is not to be expected. Passage from aqueous solution into the atmosphere is not to be expected.
Persistence / degradability: Methods for the determination of biodegradability are not applicable to inorganic substances.
Bio accumulation: Bio accumulation not applicable.
Ecotoxicity: LC 50 / 96h / P.promelas = 7650 mg/l.
LC 50 / 96h / L. macrochirus = 9675 mg/l.
EC 50 / 48h / Daphnia magna = 1000 mg/l.

DISPOSAL CONSIDERATIONS

Waste from residues/ unused products:

Can be incinerated, when in compliance with local regulations. Contact waste disposal service.

Contaminated packaging:

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself.
If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

TRANSPORT INFORMATION

Not subject to transport regulations.

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REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 90/492/EEC

Contains SODIUM HYDROXIDE

Symbol(s) -

R – phrase(s) -

S – phrase(s) -

Recommended restrictions: Take notice of labels and material safety data sheets for the working area.

CONTACT POINT

Contact

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