

# MATERIAL SAFETY DATA SHEET (MSDS)



**PRODUCT NAME- SODIUM CHLORIDE**  
**CAS No.: 7647-14-5**

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form	: SUBSTANCE
Product name	: SODIUM CHLORIDE
Type of product	: SALT
Product Grades (Applicable)	: S0048A (Pack size(s) :- 0.5KG, 1KG, 5KG, 25KG S0048L (Pack size(s) :- 0.5KG, 1KG, 5KG, 25KG
Product Code	: S0048
CAS No	: 7647-14-5
Formula	: NaCl

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

1.2.1. Relevant identified uses	: Industrial For professional use only
1.2.2. Uses advised against	: No additional information available

### 1.3. Details of the supplier of the safety data sheet

RYZE CHEMIE  
W-68,Mankivli MIDC  
Badlapur (E), Thane,  
Maharashtra-421503  
[www.ryzechemie.com](http://www.ryzechemie.com)

### 1.4. Emergency Telephone Number

+91- 99-3006-04-04 :

## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Not classified

Adverse physicochemical, human health and environmental effects  
No additional information available

### 2.2. Label Elements

No labelling applicable

### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Name SODIUM CHLORIDE  
CAS-No. 7647-14-5  
EC-No Not applicable  
EC Index-No. Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
WATER AR	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2	100	Not classified
SODIUM CHLORIDE AR/ACS	(CAS-No.) 7647-14-5 (EC-No.) 231-598-3	26	Not classified

### SECTION 4: : First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Causes severe skin burns and eye damage. Suspected of damaging fertility.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing.  
First-aid measures after ingestion : Rinse mouth out with water. If you feel unwell, seek medical advice.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Causes severe skin burns and eye damage.  
Symptoms/effects after inhalation : Not applicable  
Symptoms/effects after skin contact : Not applicable  
Symptoms/effects after ingestion : Not applicable  
Symptoms/effects after eye contact : Not applicable

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).  
Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : No additional information available.  
Explosion hazard : No additional information available.  
Hazardous decomposition products in case of fire : No additional information available.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Avoid contact with skin, eyes and clothing.

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up immediately by sweeping or vacuum.

Other information : No additional information available.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : No additional information available.

Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : No additional information available.

Storage conditions : Keep container tightly closed. Store in a well-ventilated place. Keep cool.

Packaging materials : No additional information available.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

Hand protection	: Protective gloves
Eye protection	: Chemical goggles or face shield
Skin and body protection	: Wear fire/flame resistant/retardant clothing
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Crystalline powder.
Molecular mass	: 58.44 g/mol
Colour	: White.
Odour	: Odourless
Odour threshold	: No data available
pH	: 5 – 8 (5% aqueous solution at 20°C)
pH solution concentration	: No data available
Relative evaporation rate	: No data available
Melting point	: 801 °C
Freezing point	: No data available
Boiling point	: 1413 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 1.33 mm Hg at 865 °C
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 2.16 g/cm <sup>3</sup>
Relative gas density	: No data available
Solubility	: Water: Soluble in water
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

Explosion limits	: No additional information available
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#### 9.2.2. Other safety characteristics

Relative evaporation rate	: No additional information available
Miscibility	: No additional information available
Refractive index	: No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical Stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Direct sunlight. Moisture

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified
Skin corrosion/irritation	:	pH: 5 – 8 (5% aqueous solution at 20°C)
Serious eye damage/irritation	:	pH: 5 – 8 (5% aqueous solution at 20°C)
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified
Potential adverse human health effects and symptoms	:	Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general	:	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Ecology - Water		
Hazardous to the aquatic environment, short-term(acute)	:	No additional information available
Hazardous to the aquatic environment, long-term (chronic)	:	No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods	:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	:	No additional information available
Product/Packaging disposal recommendations	:	
Additional information	:	No additional information available

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR)	:	Not regulated
UN-No. (IMDG)	:	Not regulated
UN-No.(IATA)	:	Not regulated
UN-No.(ADN)	:	Not regulated
UN-No. (RID)	:	Not regulated

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	:	Not regulated
Proper Shipping Name (IMDG)	:	Not regulated
Proper Shipping Name (IATA)	:	Not regulated
Proper Shipping Name (ADN)	:	Not regulated
Proper Shipping Name (RID)	:	Not regulated
Transport document description (ADR)	:	Not regulated
Transport document description (IMDG)	:	Not regulated
Transport document description (IATA)	:	Not regulated
Transport document description (ADN)	:	Not regulated
Transport document description (RID)	:	Not regulated

### 14.3. Transport hazard class(es)

ADR		
Transport hazard class(es) (ADR)	:	Not regulated
Danger labels (ADR)	:	Not regulated

IMDG		
Transport hazard class(es) (IMDG)	:	Not regulated
Danger labels (IMDG)	:	Not regulated

IATA		
Transport hazard class(es) (IATA)	:	Not regulated
Hazard labels (IATA)	:	Not regulated

ADN		
Transport hazard class(es) (ADN)	:	Not regulated
Hazard labels (ADN)	:	Not regulated

RID		
Transport hazard class(es) (RID)	:	Not regulated
Hazard labels (RID)	:	Not regulated

### 14.4. Packing group

Packing group (ADR)	:	Not regulated
Packing group (IMDG)	:	Not regulated
Packing group (IATA)	:	Not regulated
Packing group (ADN)	:	Not regulated

Packing group (RID) : Not regulated

#### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

#### 14.6. Special precautions for user

##### Overland transport

Classification code (ADR) : Not regulated

Limited quantities (ADR) : Not regulated

Excepted quantities (ADR) : Not regulated

Packing instructions (ADR) : Not regulated

Special packing provisions (ADR) : Not regulated

Mixed packing provisions (ADR) : Not regulated

Portable tank and bulk container instructions (ADR) : Not regulated

Portable tank and bulk container special provisions (ADR) : Not regulated

Tank code (ADR) : Not regulated

Vehicle for tank carriage : Not regulated

Transport category (ADR) : Not regulated

Special provisions for carriage - Bulk (ADR) : Not regulated

Special provisions for carriage - Loading, unloading and handling (ADR) : Not regulated

Special provisions for carriage - Operation (ADR) : Not regulated

Hazard identification number (Kemler No.) : Not regulated

Orange plates : Not regulated

Tunnel restriction code (ADR) : Not regulated

EAC code : Not regulated

##### - Transport by sea

Limited quantities (IMDG) : Not regulated

Excepted quantities (IMDG) : Not regulated

Packing instructions (IMDG) : Not regulated

IBC packing instructions (IMDG) : Not regulated

Tank instructions (IMDG) : Not regulated

Tank special provisions (IMDG) : Not regulated

EmS-No. (Fire) : Not regulated

EmS-No. (Spillage) : Not regulated

Stowage category (IMDG) : Not regulated

Properties and observations (IMDG) : Not regulated

MFAG-No : Not regulated

##### - Air transport

PCA Excepted quantities (IATA) : Not regulated

PCA Limited quantities (IATA) :

	:	Not regulated
PCA limited quantity max net quantity (IATA)	:	Not regulated
PCA packing instructions (IATA)	:	Not regulated
PCA max net quantity (IATA)	:	Not regulated
CAO packing instructions (IATA)	:	Not regulated
CAO max net quantity (IATA)	:	Not regulated
ERG code (IATA)	:	Not regulated
<b>- Inland waterway transport</b>		
Classification code (ADN)	:	Not regulated
Limited quantities (ADN)	:	Not regulated
Excepted quantities (ADN)	:	Not regulated
Equipment required (ADN)	:	Not regulated
Special provisions (AND)	:	Not regulated
Number of blue cones/lights (ADN)	:	Not regulated
<b>- Rail transport</b>		
Classification code (RID)	:	Not regulated
Limited quantities (RID)	:	Not regulated
Excepted quantities (RID)	:	Not regulated
Packing instructions (RID)	:	Not regulated
Mixed packing provisions (RID)	:	Not regulated
Special provisions (RID)	:	Not regulated
Portable tank and bulk container instructions (RID)	:	Not regulated
Portable tank and bulk container special provisions (RID)	:	Not regulated
Tank codes for RID tanks (RID)	:	Not regulated
Transport category (RID)	:	Not regulated
Colis express (express parcels) (RID)	:	Not regulated
Hazard identification number (RID)	:	Not regulated

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

No REACH Annex XVII restrictions

SODIUM CHLORIDE EXTRA PURE is not on the REACH Candidate List

SODIUM CHLORIDE EXTRA PURE is not on the REACH Annex XIV List



#### REACH Annex XIV (Authorisation List)

Not applicable

#### REACH Candidate List (SVHC)

Not applicable

#### PIC Regulation (Prior Informed Consent)

Not applicable

#### POP Regulation (Persistent Organic Pollutants)

Not applicable

#### Ozone Regulation (1005/2009)

Not applicable

#### Explosives Precursors Regulation (2019/1148)

Not applicable

#### Drug Precursors Regulation (273/2004)

Not applicable

#### 15.1.2. National regulations

##### Germany

Water hazard class (WGK)	: Water hazard class (WGK) 1, slightly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen	: The substance is not listed
SZW-lijst van mutagene stoffen	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: The substance is not listed

##### Denmark

Classification remarks	: Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

#### SECTION 16: Other information

Abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified