

# Safety Data Sheet

## Refin Dishwasher salt

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878  
Issue date: 18/04/2024 Revision date: 18/04/2024 Version: 1.0

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

#### 1.1. Product identifier

Product form : Substance  
Substance name : Refin Dishwasher salt  
EC-No. : 231-598-3  
CAS-No. : 7647-14-5  
Other means of identification : GTIN: 7331121526463

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

##### Relevant identified uses

Intended for general public  
Function or use category : Cleaning, Machine dishwashing products

##### Uses advised against

No additional information available

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

##### Supplier

Rusta AB  
Box 5044  
194 05 Upplands Väsby - Sweden  
T +46 771 28 10 10  
[customerservice@rusta.com](mailto:customerservice@rusta.com) - [www.rusta.com](http://www.rusta.com)

##### Manufacturer

Kryddhuset i Ljung AB  
Industrivägen 3  
524 41 Ljung - Sweden  
T +46 513-509 56  
[info@kryddhuset.se](mailto:info@kryddhuset.se) - [www.kryddhuset.se](http://www.kryddhuset.se)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Newcastle Unit)	Claremont Place Newcastle-upon-Tyne, Newcastle	+44 191 2606182 +44 191 2606180	Hours of operation: 24hrs

### 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

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Child-resistant fastening : Not applicable  
Tactile warning : Not applicable

#### 2.3. Other hazards

Other hazards which do not result in classification : None to our knowledge.  
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Name : Refin Dishwasher salt  
CAS-No. : 7647-14-5

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EC-No. : 231-598-3

Name	Product identifier	Conc. (% w/w)
Sodium chloride	(CAS-No.) 7647-14-5 (EC-No.) 231-598-3	100

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.  
First-aid measures after skin contact : No skin irritation is expected at recommended use. Rinse skin with water/shower. Seek medical attention if irritation develops.  
First-aid measures after eye contact : Rinse with water. Contact physician if discomfort continues.  
First-aid measures after ingestion : Rinse nose, mouth and throat with water.

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

Symptoms/effects : No specific symptoms noted.  
Symptoms/effects after skin contact : Dust may cause mechanical irritation.  
Symptoms/effects after eye contact : Eye irritant upon direct contact.

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

No specific first aid measures noted.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

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

Fire hazard : Not flammable according to national regulations concerning flammable goods.  
Hazardous decomposition products in case of fire : None to our knowledge.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Wear self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Heat resistant gloves.

## SECTION 6: Accidental release measures

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

General measures : Avoid dust formation. Do not breathe dust.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear appropriate personal protective equipment - see Section 8.  
Emergency procedures : Evacuate unnecessary personnel. Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Collect spillage.  
Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

### 6.4. Reference to other sections

For further information refer to section 13. See Section 8 for information on personal protection equipment.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Hygiene measures : Wash hands thoroughly after use.

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

Storage conditions : Store in a dry place. Keep container tightly closed.

Incompatible materials : Refer to Section 10 on Incompatible Materials.

#### 7.3. Specific end use(s)

No additional data.

### 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

##### 8.2.1. Appropriate engineering controls

###### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### 8.2.2. Personal protection equipment

###### 8.2.2.1. Eye and face protection

###### Eye protection:

Use dustproof goggles if there is a risk of contact with the eyes. STANDARD EN 166.

###### 8.2.2.2. Skin protection

###### Skin and body protection:

Wear suitable protective clothing

###### Hand protection:

Wear appropriate work gloves for protection against mechanical irritation. (STANDARD EN 420:2003 / EN 388:2003 / EN 388:2016)

###### 8.2.2.3. Respiratory protection

###### Respiratory protection:

Dust production: dust mask with filter type P2. STANDARD: EN 140 / EN 141 / EN 136 / EN 143 / EN 405 / EN 137 / EN 147

###### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

##### Other information:

Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment. Wash at the end of each work shift and before eating, smoking and using the toilet.

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### SECTION 9: Physical and chemical properties

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

Physical state	: Solid
Colour	: Transparent.
Appearance	: Granulate.
Odour	: Neutral.
Odour threshold	: Not available
Melting point	: 801 °C
Freezing point	: Not determined.
Boiling point	: 1461 °C
Flammability	: Not available
Explosive properties	: Product is not explosive.
Oxidising properties	: Non flammable.
Explosive limits	: Not applicable
Lower explosive limit (LEL)	: Not applicable
Upper explosive limit (UEL)	: Not applicable
Flash point	: Not determined.
Auto-ignition temperature	: Not determined.
Decomposition temperature	: Not determined.
pH	: Not available
pH solution	: Not available
Viscosity, kinematic	: Not determined.
Viscosity, dynamic	: Not determined.
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not determined.
Vapour pressure at 50°C	: Not available
Density	: 2162 kg/m <sup>3</sup>
Relative density	: Not available
Relative vapour density at 20°C	: Not determined.
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

#### 9.2. Other information

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

Critical temperature : Not determined.

##### 9.2.2. Other safety characteristics

Additional information : None to our knowledge.

### 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 the prescribed storage conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Stable under recommended handling and storage conditions (see section 7).

#### 10.5. Incompatible materials

Acids. alkali metals. Metals.

#### 10.6. Hazardous decomposition products

No decomposition if stored and used normally.

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### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Sodium chloride (7647-14-5)	
LD50 oral rat	3000 mg/kg
LD50 dermal rabbit	> 10000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 42 mg/l/4h

Skin corrosion/irritation : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Serious eye damage/irritation : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Respiratory or skin sensitisation : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)  
Carcinogenicity : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Reproductive toxicity : Not classified  
Additional information : Based on available data, the classification criteria are not met  
STOT-single exposure : Not classified  
Additional information : Based on available data, the classification criteria are not met  
STOT-repeated exposure : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Aspiration hazard : Not classified  
Additional information : Based on available data, the classification criteria are not met

Refin Dishwasher salt (7647-14-5)	
Viscosity, kinematic	Not determined.

#### 11.2. Information on other hazards

##### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

##### 11.2.2 Other information

Potential adverse human health effects and symptoms : For further information see section 4

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Based on available data, the classification criteria are not met.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

Sodium chloride (7647-14-5)	
EC50 - Crustacea [1]	1000 mg/l (48 hours - Daphnia magna)

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### 12.2. Persistence and degradability

#### Refin Dishwasher salt (7647-14-5)

Persistence and degradability: Readily biodegradable.

### 12.3. Bioaccumulative potential

#### Refin Dishwasher salt (7647-14-5)

Bioaccumulative potential: The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### Refin Dishwasher salt (7647-14-5)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties: Based on available data, the classification criteria are not met

### 12.7. Other adverse effects

Other adverse effects: None to our knowledge.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional waste regulation: Product is not hazardous waste.  
Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.  
European List of Waste (LoW, EC 2000/532): 06 03 14 - solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

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### Air transport

Not applicable

### Inland waterway transport

Not applicable

### Rail transport

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

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

Not listed on REACH Annex XVII

Not listed on the REACH Candidate List

Not listed on REACH Annex XIV (Authorisation List)

Not listed on the PIC list (Regulation EU 649/2012)

Not listed on the POP list (Regulation EU 2019/1021)

Other information, restriction and prohibition regulations : Detergent Regulation (648/2004/EC).

#### 15.1.2. National regulations

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

The information in this safety data sheet is based on information from the manufacturer/supplier, present European and national legislation, and presupposes that the product is used within the specified area of application.