

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 21.06.2018

Revision: 21.06.2018

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

· **1.1 Product identifier**

· **Trade name: PDV SALT**

· **CAS Number:**

7647-14-5

· **EC number:**

231-598-3

· **Registration number** 01-2119485491-33

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

As ingredient in construction chemicals; Road de-icing agent; Industrial use in the manufacture of computer, electronic and optical products, electrical equipment; Industrial manufacture and use of chemicals for textiles, leather, fur; Industrial manufacture of cosmetics; Industrial manufacture and use of water treatment chemicals; Industrial manufacture and use of pulp and paper products; Industrial use of chemicals; Industrial use as intermediate; Side product of silica compound manufacturing; Industrial use in the manufacture of electrodes; Professional use in agriculture; Adhesive agent; Filler of washing powder.

· **Sector of Use**

SU1 Agriculture, forestry, fishery

SU2b Offshore industries

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU5 Manufacture of textiles, leather, fur

SU6b Manufacture of pulp, paper and paper products

SU8 Manufacture of bulk, large scale chemicals (including petroleum products)

SU9 Manufacture of fine chemicals

SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

SU13 Manufacture of other non-metallic mineral products, e.g. plasters, cement

SU16 Manufacture of computer, electronic and optical products, electrical equipment

SU19 Building and construction work

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU23 Electricity, steam, gas water supply and sewage treatment

SU 0: Other: Road de-icing

SU 0: Other: water treatment chemicals

· **Product category**

PC1 Adhesives, sealants

PC2 Adsorbents

PC4 Anti-Freeze and de-icing products

PC9a Coatings and paints, thinners, paint removers

PC9b Fillers, putties, plasters, modelling clay

PC12 Fertilisers

PC14 Metal surface treatment products

PC15 Non-metal-surface treatment products

PC18 Ink and toners

PC19 Intermediate

PC20 Processing aids such as pH-regulators, flocculants, precipitants, neutralization agents

PC23 Leather treatment products

PC26 Paper and board treatment products

PC28 Perfumes, fragrances

PC34 Textile dyes, and impregnating products

PC37 Water treatment chemicals

PC39 Cosmetics, personal care products

PC 0: Other: construction chemicals

PC 0: Other: Uses in food and animal feedstuff.

PC 0: Other: Industrial use of chemicals

· **Article category**

AC2 Machinery, mechanical appliances, electrical/electronic articles

AC4 Stone, plaster, cement, glass and ceramic articles

· **Application of the substance / the mixture**

The product has many industrial, professional and consumer applications.

The greatest single use for salt is as a feedstock for the production of chemicals.

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- **Uses advised against**  
Uses by consumers advised against
  - Consumer use of synthetic NaCl in food and feed
  - Consumer use of synthetic NaCl in cosmetics
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Maxwell Amenity Ltd  
Allscott Park  
Allscott  
Telford  
Shropshire  
TF6 5DY  
  
Tel: +44 (0)1952 897910  
email: info@maxwellamenity.co.uk
- **Further information obtainable from:** Product safety department.
- **1.4 Emergency telephone number:** Tel: +44 (0)1952 897910 (not 24 hours)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The substance is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterisation: Substances**
- **CAS No. Description**  
7647-14-5 Sodium chloride
- **Identification number(s)**
- **EC number:** 231-598-3

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**  
Check for and remove any contact lenses.  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
If symptoms persist consult doctor.  
If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

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- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Information for doctor:** Treat symptomatically and supportively.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information**  
Non-combustible substance.  
Freely soluble in water.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Avoid formation of dust.  
Ensure adequate ventilation
- **6.2 Environmental precautions:** Do not allow to penetrate the ground/soil.
- **6.3 Methods and material for containment and cleaning up:**  
Pick up mechanically.  
Send for recovery or disposal in suitable receptacles.
- **6.4 Reference to other sections** No dangerous substances are released.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Prevent formation of dust.  
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from metals.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **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**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **DNELs**  
WORKERS  
Acute / short-term exposure - systemic effects  
Dermal DN(M)EL  
- DNEL (Derived No Effect Level): 295.52 mg/kg bw/day  
Inhalation DN(M)EL  
- DNEL (Derived No Effect Level): 2068.62 mg/m<sup>3</sup>

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Long-term exposure - systemic effects

Dermal DN(M)EL

- DNEL (Derived No Effect Level): 295.52 mg/kg bw/day

Inhalation DN(M)EL

- DNEL (Derived No Effect Level): 2068.62 mg/m<sup>3</sup>

### GENERAL POPULATION

Acute / short-term exposure - systemic effects

Dermal DN(M)EL

- DNEL (Derived No Effect Level): 126.65 mg/kg bw/day

Inhalation DN(M)EL

- DNEL (Derived No Effect Level): 443.28 mg/m<sup>3</sup>

Oral DN(M)EL

- DNEL (Derived No Effect Level): 126.65 mg/kg bw/day

Long-term exposure - systemic effects

Dermal DN(M)EL

- DNEL (Derived No Effect Level): 126.65 mg/kg bw/day

Inhalation DN(M)EL

- DNEL (Derived No Effect Level): 443.28 mg/m<sup>3</sup>

Oral DN(M)EL

- DNEL (Derived No Effect Level): 126.65 mg/kg bw/day

### · PNECs

PNEC aqua (freshwater): 5 mg/L

PNEC aqua (intermittent releases): 19 mg/L

PNEC STP: 500 mg/L

PNEC soil: 4.86 mg/kg soil dw

· **Additional information:** The lists valid during the making were used as basis.

### · 8.2 Exposure controls

#### · **Personal protective equipment:**

Select PPE appropriate for the operations taking place taking into account the product properties.

#### · **General protective and hygienic measures:**

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

Do not breath dust

Wash hands before breaks and at the end of work.

Do not eat, drink, smoke or sniff while working.

· **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

#### · **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

#### · **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses

#### · **Body protection:**

Protective work clothing

Body protection must be chosen depending on product properties, activity and possible exposure.

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### SECTION 9: Physical and chemical properties

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

##### · General Information

##### · Appearance:

· Form:	Solid
· Colour:	White
· Odour:	Odourless

· pH-value (50 g/l) at 20 °C: 6-9

##### · Change in condition

· Melting point/freezing point:	801 °C
· Initial boiling point and boiling range:	>1000 °C

· Flash point: Not applicable.

· Flammability (solid, gas): Product is not flammable.

· Explosive properties: Product does not present an explosion hazard.

· Density at 20 °C: 2.16 g/cm<sup>3</sup>

· Bulk density at 20 °C: 800-1600 kg/m<sup>3</sup>

· Solubility in / Miscibility with water at 20 °C: >10000 g/l

· 9.2 Other information  
NOTE: The physical data presented above are typical values and should not be construed as a specification.

### SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

· 10.3 Possibility of hazardous reactions No dangerous reactions known.

· 10.4 Conditions to avoid No further relevant information available.

· 10.5 Incompatible materials: Finely powdered metals.

· 10.6 Hazardous decomposition products: Hydrogen chloride (HCl)

### SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity Based on available data, the classification criteria are not met.

#### · LD/LC50 values relevant for classification:

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>42 mg/l (rat)

· Primary irritant effect:

· Skin corrosion/irritation Based on available data, the classification criteria are not met.

· Serious eye damage/irritation Based on available data, the classification criteria are not met.

· Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

· Additional toxicological information:

Main Routes of exposure: The main intake pathway for sodium chloride is via the gastrointestinal tract with food. In the workplace additional inhalative/oral intake needs to be taken into consideration.

· CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

· Germ cell mutagenicity Based on available data, the classification criteria are not met.

· Carcinogenicity Based on available data, the classification criteria are not met.

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- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### · 12.1 Toxicity

##### · Aquatic toxicity:

EC50	>4000 mg/kg (daphnia)
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- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** Product is not expected to bioaccumulate.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Recommended Hierarchy of Controls:
  - Minimise waste;
  - Reuse if not contaminated;
  - Recycle, if possible; or
  - Safe disposal (if all else fails).
 Smaller quantities can be disposed of with household waste.  
Contact waste processors for recycling information.  
Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.
- **European waste catalogue**  
Waste key numbers in accordance with the European Waste Catalogue (EWC) are origin-referred defined. Since this product is used in several industries, no waste key can be provided by the supplier. The waste key number should be determined in arrangement with your waste disposal partner or the responsible authority.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |  |      |
|--|------|
| · <b>14.1 UN-Number</b>                  |      |
| · <b>ADR, ADN, IMDG, IATA</b>            | Void |
| · <b>14.2 UN proper shipping name</b>    |      |
| · <b>ADR, ADN, IMDG, IATA</b>            | Void |
| · <b>14.3 Transport hazard class(es)</b> |      |
| · <b>ADR, ADN, IMDG, IATA</b>            |      |
| · <b>Class</b>                           | Void |

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· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	Not applicable.
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

### SECTION 15: Regulatory information

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

### SECTION 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.

- **Department issuing SDS:** Product safety department.
- **Abbreviations and acronyms:**
  - 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

### Annex: Exposure scenario

- **Sector of Use**
  - SU1 Agriculture, forestry, fishery
  - SU2b Offshore industries
  - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
  - SU5 Manufacture of textiles, leather, fur
  - SU6b Manufacture of pulp, paper and paper products
  - SU8 Manufacture of bulk, large scale chemicals (including petroleum products)
  - SU9 Manufacture of fine chemicals
  - SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
  - SU13 Manufacture of other non-metallic mineral products, e.g. plasters, cement
  - SU16 Manufacture of computer, electronic and optical products, electrical equipment
  - SU19 Building and construction work
  - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
  - SU23 Electricity, steam, gas water supply and sewage treatment
  - SU 0: Other: Road de-icing
  - SU 0: Other: water treatment chemicals
- **Product category**
  - PC1 Adhesives, sealants
  - PC2 Adsorbents
  - PC4 Anti-Freeze and de-icing products

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- PC9a Coatings and paints, thinners, paint removers
- PC9b Fillers, putties, plasters, modelling clay
- PC12 Fertilisers
- PC14 Metal surface treatment products
- PC15 Non-metal-surface treatment products
- PC18 Ink and toners
- PC19 Intermediate
- PC20 Processing aids such as pH-regulators, flocculants, precipitants, neutralization agents
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- PC 0: Other: construction chemicals
- PC 0: Other: Uses in food and animal feedstuff.
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- **Article category**
- AC2 Machinery, mechanical appliances, electrical/electronic articles
- AC4 Stone, plaster, cement, glass and ceramic articles

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