

TECHNICAL DATA SHEET

Pool Power Miniquick

1. Supplier: JAK Water Systems Ltd, Unit 1, Scopwick Lodge, Scopwick Heath, Metheringham, Lincoln LN4 3DL

Telephone; 01526 322214

Email: Info@jakwater.co.uk

2. Chemical characterization:

CAS No. Designation: 51580-86-0 sodium dichloroisocyanurate, dihydrate

Identification number(s):

EINECS Number: 220-767-7

EC Number: 613-030-01-7

Hazard designation: Xn Harmful N Dangerous for the environment

Information pertaining to particular dangers for man and environment

R 22 Harmful if swallowed.

R 31 Contact with acids liberates toxic gas.

R 36/37 Irritating to eyes and respiratory system.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. General information

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation Supply fresh air; consult doctor in case of symptoms.

After skin contact Instantly wash with water and soap and rinse thoroughly.

After eye contact Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing Rinse out mouth and then drink plenty of water. Seek immediate medical advice.

Suitable extinguishing agents Only use plenty of water

For safety reasons unsuitable extinguishing agents All but water

Special hazards caused by the material, its products of combustion or flue gases:

Formation of poisonous gases during heating or in fires. Nitrogen oxides (NOx)

Hydrogen chloride (HCl), Carbon monoxide and carbon dioxide

Formation of toxic gases is possible during heating or in case of fire.

Protective equipment:Wear self-contained breathing apparatus.

Additional information Collect contaminated fire fighting water separately. It must not enter drains.

Person-related safety precautions:

Put on breathing apparatus. Ensure adequate ventilation. Keep people at a distance and stay on the windward side. Avoid breathing dust. Do not breathe vapours.

Measures for environmental protection: Do not allow to enter drainage system, surface or ground water.

Measures for cleaning/collecting: Ensure adequate ventilation. Collect mechanically. Dispose of the material collected according to regulations.

TECHNICAL DATA SHEET

4. Handling

Information for safe handling: Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust. Do not replace residual quantities in storage containers.

Avoid skin and eye contact. Avoid breathing vapours. Do not breathe dust.

Make sure that all applicable workplace limits are observed.

Any mixing with acids/products containing acids must be avoided under any circumstances.

Information about protection against explosions and fires: Keep breathing equipment ready.

5. Storage

Requirements to be met by storerooms and containers: Observe all local and national regulations for storage of water polluting products.

Information about storage in one common storage facility: Do not store together with oxidizing and acidic materials. Do not store together with alkalis (caustic solutions).

Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers.

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

Components with critical values that require monitoring at the workplace:

Observe all workplace limits for dust: OEL total dust: 10 mg/m³ OEL respirable dust: 3 mg/m³ **51580-86-0 sodium dichloroisocyanurate, dihydrate** MEL (Great Britain) Short-term value: 0.07 mg/m³ Long-term value: 0.02 mg/m³ Sen; as -NCO

Additional information: The lists that were valid during the compilation were used as basis.

6. Personal protective equipment

General protective and hygienic measures Keep away from foodstuffs, beverages and food. Instantly remove any contaminated garments. Avoid contact with the eyes and skin. Use skin protection cream for preventive skin protection. Wash hands during breaks and at the end of the work.

Breathing equipment: If all workplace limits are observed and good ventilation is ensured, no special precautions necessary. Dust proof mask - particle filter mask

Protection of hands: Protective gloves To avoid skin problems reduce the wearing of gloves to the required minimum. Check the permeability prior to each renewed use of the glove. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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.

Eye protection: Tightly sealed safety glasses

Body protection: Protective work clothing

Page 2 of 5

TECHNICAL DATA SHEET

7. General Information

Form: Tablets

Colour: white

Smell: Like chlorine

Change in condition

Melting point/Melting range: Not determined

Boiling point/Boiling range: not determined

Flash point: not applicable

Inflammability (solid, gaseous) Product is not inflammable.

According to 91/155 EEC Printing date 10.04.2005 Reviewed on 10.04.2005

Danger of explosion: Product is not explosive.

Critical values for explosion:

Oxidizing properties oxidising

Density Not determined

Settled apparent density at 20°C 900 kg/m³

Solubility in / Miscibility with

Water at 25°C: 250 g/l

pH-value (10 g/l) at 25°C: 6

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Materials to be avoided: Strong oxidizing agents, Alkaline materials, Strong acids, Reducing agents

Dangerous reactions Reacts with strong acids and oxidizing agents

Dangerous products of decomposition: Nitrogen oxides (NO_x), Hydrogen chloride (HCl)
Poisonous gases/vapours

8. Acute toxicity:

LD/LC50 values that are relevant for classification: Oral LD50 992 mg/kg (rat)

Primary irritant effect:

- **on the skin:** Longer lasting and/or repeated skin contact may cause irritation.
- **on the eye:** Irritant effect
- **Sensitization:** No sensitizing effect known.

· **Behaviour in environmental systems:**

· **Mobility and bioaccumulation potential:** not determined

· **Ecotoxicological effects:**

· **Aquatic toxicity:** not determined

· **Remark:** Very toxic for fish and aquatic organisms.

· **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water. Also poisonous for fish and plankton in water bodies. Very toxic for aquatic organisms

TECHNICAL DATA SHEET

9. Product:

Recommendation. Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

European waste catalogue Waste disposal key numbers from EWC have to be assigned depending on origin and processing.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Land transport ADR/RID (cross-border)

ADR/RID Class: 9 (M7) Miscellaneous dangerous substances and articles.

UN-Number: 3077

Packaging group: III

Label 9

· **Designation of goods:** UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (sodium dichloroisocyanurate, dihydrate)

· **Maritime transport IMDG/GGVSea:**

· **IMDG/GGVSea Class:** 9

· **UN Number:** 3077

· **Label 9**

· **Packaging group:** III

· **Correct technical name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (sodium dichloroisocyanurate, dihydrate)

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** 9

· **UN/ID Number:** 3077

· **Label 9**

· **Packaging group:** III

· **Designation according to EC guidelines:**

The product has been classified/labelled in accordance with EC Directives / relevant national laws.

10. Code letter and hazard designation of product:

Xn Harmful N Dangerous for the environment

· **Risk phrases:**

22 Harmful if swallowed.

31 Contact with acids liberates toxic gas.

36/37 Irritating to eyes and respiratory system.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

11. Safety phrases:

2 Keep out of the reach of children.

8 Keep container dry.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

41 In case of fire and/or explosion do not breathe fumes.

60 This material and its container must be disposed of as hazardous waste.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

TECHNICAL DATA SHEET

12. National regulations

Information about limitation of use: Employment restrictions concerning young persons must be observed.

Decree to be applied in case of technical fault: Quantity limits according to "EC Seveso directive" should be observed.

Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Page 5 of 5