Section 1 - Chemical Product and Company Identification

MSDS Name: Sodium perchlorate monohydrate, p.a.
Catalog Numbers: 34363-0000, 34363-0010, 34363-1000

Company Identification: Acros Organics BVBA
Janssen Pharmaceuticaalnaa 3a
2440 Geel, Belgium

Company Identification: (USA)
Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call: 800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS# Chemical Name: % EINECS#
7791-07-3 Sodium perchlorate monohydrate unlisted

Hazard Symbols: XN O
Risk Phrases: 22 9

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Harmful if swallowed. Explosive when mixed with combustible material. Hygroscopic (absorbs moisture from the air).

Potential Health Effects
Eye: May cause eye irritation. Causes redness and pain.
Skin: May cause skin irritation. May be harmful if absorbed through the skin.
Ingestion: Harmful if swallowed. May cause nausea and vomiting.
Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.
Chronic: May cause liver and kidney damage.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: Get medical aid. Wash mouth out with water.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to
Section 5 - Fire Fighting Measures
General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Oxidizer. Greatly increases the burning rate of combustible materials.
Extinguishing Media: Use water spray to cool fire-exposed containers. Use water only!

Section 6 - Accidental Release Measures
General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Section 7 - Handling and Storage
Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage: Do not store near combustible materials. Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection
Engineering Controls: Use adequate ventilation to keep airborne concentrations low.
Exposure Limits
CAS# 7791-07-3:

Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties
Physical State: Crystals
Color: white
Odor: odorless
pH: 6.0-8.0 (2% aq.sol.)
Vapor Pressure: Not available
Viscosity: Not available
Boiling Point: Not available
Freezing/Melting Point: 130 deg C (266.00°F)
Autoignition Temperature: Not available
Flash Point: Not available
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available
Decomposition Temperature:
Solubility in water: 2090 g/l (15°C)
Specific Gravity/Density:
Molecular Formula: ClNaO4.H2O
Molecular Weight: 140.46

Section 10 - Stability and Reactivity
Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, combustible materials, organic materials, exposure to moist air or water.
Incompatibilities with Other Materials: Reducing agents, strong acids, finely powdered metals, magnesium.
Hazardous Decomposition Products: Hydrogen chloride, chlorine, oxides of chlorine.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information
RTECS#: CAS# 7791-07-3: SC9850000
LD50/LC50: RTECS: Not available. Other: Oral, rat: LD50 = 2100 mg/kg
Carcinogenicity: Sodium perchlorate monohydrate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information
Not available

Section 13 - Disposal Considerations
Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

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Section 15 - Regulatory Information

European/International Regulations
European Labeling in Accordance with EC Directives

Hazard Symbols: XN O
Risk Phrases:
R 22 Harmful if swallowed.
R 9 Explosive when mixed with combustible material.

Safety Phrases:
S 13 Keep away from food, drink and animal feeding stuffs.
S 22 Do not breathe dust.
S 27 Take off immediately all contaminated clothing.

WGK (Water Danger/Protection)
CAS# 7791-07-3: Not available

Canada

US Federal

TSCA
CAS# 7791-07-3 is not on the TSCA Inventory because it is a hydrate. It is considered to be listed if the CAS number for the anhydrous form in on the Inventory (40CFR720.3(u)(2)).

Section 16 - Other Information
MSDS Creation Date: 10/15/1999
Revision #0 Date Original.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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