



9140, Boul. Leduc
Brossard, QC, J4Y 0L2
Sans Frais : 1.866.588.2221
Fax : 450.444.6222

MATERIAL SAFETY DATA SHEET

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SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identification

Product name: Hygie Super Absorbent Power

Product code: SA-SAPB-450G-012

Company identification

Hygie

9140 Boulevard Leduc

Brossard, Québec (Canada)

J4Y 0L2

Tél : 450-444-6777 – Fax : 450-444-6222

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

Sodium polyacrylate, crosslinked

SECTION 3 HAZARD IDENTIFICATION

May be harmful if swallowed. May cause irritation. Avoid breathing vapours or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes.

Hazard rating: Health : 1 Flammability : 1 Reactivity : 0

0 = Least 1 = Slight 2 = Moderate 3 = High 4 = Extreme * = Intoxication risk chronicle

SECTION 4 EMERGENCY AND FIRST-AID PROCEDURES

Eye : Wash affected eyes for at least 15 minutes under running water with eyelids held open

Skin : Wash thoroughly with soap and water.

Ingestion : Rinse mouth and then drink plenty of water

Inhalation : If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention

SECTION 5 FIRE AND EXPLOSION DATA

Suitable extinguishing media: Water spray, foam, dry extinguishing media.

- Non suitable media for safety reason: Carbon dioxide, water jet
- Additional information: Avoid whirling up the material because of the danger of dust explosion
- Special protective equipment: Wear a self-contained breathing apparatus
- Further information: Contaminated extinguishing water must be disposed in accordance with official regulations.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Extremely slippery when wet. Breathing protection is recommended.
Methods for cleaning up and taking up: Sweep up in container for disposal

SECTION 7 HANDLING AND STORAGE

Handling

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Avoid the formation and deposition of dust.

Storage

Store in cool dry place

SECTION 8 EXPOSURE CONTROL MEASURES

Components with workplace control parameters : A safe working level of 0,05 mg/m³ has been established for respirable superabsorbent polymer dust (particle size under 10 microns).

Personal protective equipment:

Respiratory: Breathing protection if dust are formed

Hand protection: Does not apply.

Eye protection: Safety glasses with side-shields

General safety and hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Form: Granules

Colour: White

Odour: Odourless. Some reclaimed grade could contain baby powder scent

Ph Value: 4.9

Bulk density: Approx. 600 Kg/m³

Solubility in water: Insoluble, only capable of swelling (20 Celsius)

SECTION 10 STABILITY AND REACTIVITY

Stable under usual application conditions.
Decomposition above 200C.

SECTION 11 TOXICOLOGICAL INFORMATION

LD50/oral/rat: > 2000mg / kg

LD50/dermal/rat: > 2000 mg / kg

Primary Skin irritation/Rabbit: Non-irritant (Method: OECD 404)

Primary irritations of mucous membrane/Rabbit: Very slight eye irritation., Particle effect (Method OECD 405)

Sensitization: 0/20 No sensitization.

Further information: A chronic (two-year) lifetime inhalation study on rats with respirable superabsorber polymer dust (micronized to <10 microns) resulted in an unspecified inflammatory response in the lungs followed by tumour development in some rats in the highest chronic exposure level of 0,8 mg/m³.

In the absence of chronic inflammation, tumours are not expected

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish: OECD Guideline 203 static. Brachydanio rerio/LC50 (96h): >100 mg/l

Aquatic invertebrates: OECD Guideline 202, part 1 static. Daphnia magna/EC50 (48h): >100 mg/l

Aquatic plants: OECD Guideline 201. Desmodesmus subspicatus/EC50 (72h): >100 mg/l

Microorganisms/Effect on activated sludge: The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Soil living organisms: OECD Guideline 207. Eisenia foetida/LC50: >1.000mg/Kg

Persistence and degradability

The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.

Additional information

Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based in the present state of knowledge Do not release untreated into natural waters, The ecotoxic effect of the product has not been tested.

The information on this way derived from products of similar structure or composition.

SECTION 13 DISPOSABLE CONSIDERATION

Product

Must be dumped or incinerated in accordance with local regulations.

A waste code in accordance with the European waste catalog (EWC) cannot be specified, due to dependance on the usage. Observe national and local legal requirements.

Contaminated packaging:

Undamaged packaging may be responsibly reused after proper cleaning. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

SECTION 14 TRANSPORT INFORMATION

Not classified as hazardous under transport regulations (ADR RID ADNR IMDG/GGV See ICAO/IATA)

SECTION 15 REGULATORY INFORMATION

Labelling according to Directive 1999/45/EEC: The product does not require a hazard warning label in accordance with EC Directives.

Other information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our products must take responsibility for observing existing laws and regulations.