



## MATERIAL SAFETY DATA INFORMATION

Sodium polyacrylate Safety Data Sheet

Revision #8: 2018-06-14. Creation date: 2010-07-20.

### 1. Identification

Product name: Reclaimed sodium polyacrylate Manufactured For:

Good Guy Tattoo Supply Ltd.

#118-360 Trans Canada HWY SW

Salmon Arm, British Columbia, Canada V1E1B5 Manufacturer information:

Recyc PHP inc.

2575-28A St-Joseph, Drummondville (QC) J2B 7V4, Canada Tel: 819 477-1309, Fax: 819-445-1309

[www.recycphp.com](http://www.recycphp.com)

### 2. Hazard Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.

Floors become very slippery when wet.

### 3. Composition

Sodium polyacrylate, crosslinked CAS 9003-04-7

### 4. First Aid

Note: First aid instruction is applied for dry material and for material in contact with liquid (in gel form) except inhalation that is not applicable for gel form.

Eye: Check for and remove any contact lenses. Immediately wash affected eye for at least 15 minutes under running water with eyelids held open. Cold water may be used. Get medical attention if irritation occurs.

Skin: Wash thoroughly with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Ingestion: Rinse mouth and then drink plenty of water. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention

#### 5. Fire Fighting Measures

Flammability of the Product: Non-flammable. Auto-Ignition Temperature: Not applicable. Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available. Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: When heated to decomposition it emits acrid smoke and irritating fumes.

Special Remarks on Explosion Hazards: Not available.

Suitable extinguishing types: Water spray, foam, dry extinguishing media Non-suitable types 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 officials regulations

#### 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.

#### 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. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Store in cool dry place.

#### 8. Exposure Controls and Personal Protection

Components with workplace control parameters : A safe working level of 0,05 mg/m<sup>3</sup> 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.

#### 9. Physical and Chemical Properties

Form: Granules

Colour: White

Odour: Odourless. Some reclaimed grade could contain baby powder scent Ph Value: 4.9 – 6.5

Bulk density: Approx. 600 Kg/m<sup>3</sup>

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

#### 10. Stability and Reactivity

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, Moisture. Stable in dry air, but slowly decomposes in moist air.

Incompatibility with various substances: Reactive with acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Reacts with acids to form carbon dioxide. Dangerous reaction with monoammonium phosphate or a sodium-potassium alloy.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Decomposition above 200 Celsius

#### 11. Toxicological Information

LD50/oral/rat: > 2000 mg/kg LD50/dermal/rat: > 2000 mg/kg

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

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

Sensitization: 0/20 No sensitization (Method : OCDE n°406 ).

#### 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. Desmodium 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.

### 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.

### 14. Transport Information

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

### 15. Regulatory Information

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

Federal and State Regulations: TSCA 8(b) inventory: Sodium bicarbonate Other Regulations: Not available.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): This product is not classified according to the EU regulations. Not applicable.

HMIS (U.S.A.): Health Hazard: 1 Fire Hazard: 0 Reactivity: 0 Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1 Flammability: 0 Reactivity: 0

Specific hazard:

Protective Equipment: Gloves. Lab coat. Dust respirator. Be sure to use an approved / certified respirator or equivalent. Safety glasses.

### 16. 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.