

## SAFETY DATA SHEET – SAP BY CURAS™, FLUID ABSORBER

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

**Identification of the substance or the preparation:**

Product: Super-Absorbent Polymer (SAP)

Chemical name: Sodium polyacrylate, cross-linked; 2-propenoic acid, homopolymer, sodium salt; Acrylic acid-sodium acrylate polymer; Acrylic acid, polymer with sodium acrylate

Molecular formula:  $(C_3H_4O_2.C_3H_3O_2.Na)_x$ 

REF	Description
08100	SAP by Curas™, Fluid Absorber, 6g Sachet
08101	SAP by Curas™, Fluid Absorber, 750g Bottle
08102	SAP by Curas™, Fluid Absorber, 5kg Bucket

This SDS is also applicable for the SAP present in the products listed below:

REF	Description
03051	Vomit Bag (Emesis) w/SAP by Curas™, 1.5L, ml-Graduated
08056	Disposable Urine Bottle, Round, 1L w/SAP by Curas™, Lid & Stick, WardPak™
08058	Disposable Urine Bottle, Round, 1L w/SAP by Curas™ & Lid, RoomPak™
08060	Disposable Urine Bottle, 1.5L, w/SAP by Curas™ & Lid
20460	C3 Emptying Bag w/SAP by Curas™, 2L, Dual-NRV System (incl. Spigot), Flexi-Funnel™, Cross-Hanger™, CleanPak™, Non-Sterile, WardPak™
20465	C3 Emptying Bag w/SAP by Curas™, 1.5L, Dual-NRV System (incl. Spigot), Flexi-Funnel™, Cross-Hanger™, CleanPak™, Non-Sterile, WardPak™
20467	C3 Universal Emptying & Drainage Bag (Night Bag) w/SAP by Curas™, 2L, 120cm, NRV, Male Connector, Cross-Hanger™, CleanPak™, Non-Sterile, WardPak™

**Relevant identified uses of the substance or mixture and uses advised against application of the substance/the mixture:**

SAP by Curas™, Fluid Absorber (Super-Absorbent Polymer) for fluids/liquids absorption and odour control.

**Details of the supplier of the safety data sheet:**
**Manufacturer/supplier:**

Company Name: Curas Ltd.

Address: 69A-B, Raja Uda Business Centre Road 4, 12300 Penang, Malaysia

Phone Number: +60 4314 0525

Website: www.curas.com

info@curas.com

**Only Representative/other EU contact point:**

UK REP:

Company Name: Curas Ltd.

Address: County Gates, Ashton Rd., Bristol BS3 2JH, England

Phone Number: +44 7796 338585

EC REP:

Company Name: KABOMED GmbH

Address: Freiheitsstraße 43/1, A-2331 Vösendorf, Austria

Phone Number: +43 1904 86 79

Further information obtainable from: Curas Ltd.

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Content (wt%)
Sodium polyacrylate, cross-linked	9003-04-7	95 min.
Water	7732-18-5	5 max.

### 3. HAZARDS IDENTIFICATION

No particular hazards known. (Substance not considered hazardous. However, not all aspects of this substance have been thoroughly investigated.)

Other data:

- DO NOT EAT. May cause blockage of throat and airways if swallowed.
- Slipping hazard if in contact with water.
- This product should be kept away from children.

### 4. FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.

- Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.
- Eye contact: Immediately flush with fresh water for 15 minutes.
- Skin contact: Wash continuously with fresh water for 15 minutes.
- Ingestions: Give large quantities of water. Call a physician or poison control at once.

### 5. FIRE AND EXPLOSION DATA

Non flammable solid	
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Lower explosive limit	Not applicable
Upper explosive limit	Not applicable
Spontaneous combustion point	Not applicable
Extinguishing media	Carbon dioxide, dry chemical, foam, in reference to a water spray
Special fire fighting procedures	Water may create a slip hazard with product. Use self-contained breathing apparatus and full protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** Prevent from spilling into waterways, sewers.

**Personal precautions:** Restrict unprotected personnel from area. Sweep up or vacuum in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Section 8 and 13 for further information.

### 7. HANDLING AND STORAGE

- Handle bags in a manner that should ensure minimal generation of dusts. Do not breathe dust, which may be generated accidentally. Follow safe work procedures and wear the appropriate personal protective equipment specified in Section 8. The workers must be instructed and trained in the safe work procedures.
- Do not rely on sight to determine if dust is in the air. If dust cannot be kept below permissible limits, wear a high efficiency respirator with a N95 rating or better.
- Store in a dry environment away from incompatible material such as Hydrofluoric acid (HF).

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering controls such as an enclosure or local exhaust ventilation with dust collection must be used to maintain airborne contaminations levels below the exposure limits, where practicable.
- Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron. Appropriate respiratory protection is necessary if an application causes dusting.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	White odourless powder
Solubility	Insoluble but swells in water
Formula	(C <sub>3</sub> H <sub>4</sub> O <sub>2</sub> .C <sub>3</sub> H <sub>3</sub> O <sub>2</sub> .Na) <sub>x</sub>
Odour	None
pH	5.6-6.7
Boiling point	Not applicable
Melting point	Not applicable
Freezing point	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Bulk Density	0.60-0.70
Viscosity	Not applicable
Explosiveness	Not applicable
Oxidation	Not applicable
Coefficient of water/oil	Not applicable
Evaporation rate	Not applicable

## 10. STABILITY AND REACTIVITY

- Stable under normal temperature and pressure.
- Avoid contact with strong oxidizing agents.
- Polymerization to be not occur.
- Shelf life to be good if kept dry.

## 11. TOXICOLOGICAL INFORMATION

Acute effects	Irritating dust
Chronic effects	N.A
Cytotoxicity	Non-toxic
Target organs	N.A
ORL-RAT LD50	> 5 gm/kg
IHL-RAT LC50	N.A
SKN-RBT LD50	> 2 gm/kg
Sensitization	N.A

N.A = not available. Not all health aspects of this substance have been fully investigated.

LC50: Lethal Concentration, 50 percent

LD50: Lethal Dose, 50 percent

## 12. ECOLOGICAL INFORMATION

No data available (Environmental Impact Rating/Acute Aquatic Toxicity/Degradability).

This substance is chemically inert in the environment, therefore no environmental impact for uncontaminated products is expected. In the environment this substance had no soil mobility, aquatic mobility. No bioaccumulation will occur.

## 13. DISPOSAL CONSIDERATIONS

This material may be disposed of at a landfill, if uncontaminated. For contaminated absorbent, consult with all applicable regulations for the contaminant prior to disposal. Store material for disposal as indicated in Storage Conditions.

**14. TRANSPORTATION INFORMATION**

Shipping Name	Not regulated
Hazard Class	Not applicable
UN Number	Not applicable
IATA/IMO/DOT	No classification currently assigned

IATA: International Air Transport Association

IMO: Internal Maritime Organization

DOT: Department of Transportation

**15. REGULATORY INFORMATION**

Toxic Substance Control Act (TSCA): Listed

Domestic Substances List, CEPA: Listed

Others: None

**16. OTHER INFORMATION**

The information given and the recommendations made herein apply to our product(s) alone. These data are accurate to the best of our present knowledge, and represent the most up to date information, and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

All the materials can present unknown risks and should be used with caution. Although some of the risks are described in this safety datasheet, Curas cannot guarantee that these are the only existing risks.

The product shall not be used in other manners than those specified in section 1 without having obtained beforehand written handling instructions. The information given in this data sheet does not constitute or replace the users own assessment of workplace risk as required by other health and safety legislation.

**-END OF SAFETY  
DATASHEET-**