

# MATERIAL SAFETY DATA SHEET

## SECTION I - CHEMICAL PRODUCT AND COMPANY INFORMATION

H2O Control Products Inc.

1123 Lorne Street, Sudbury, ON P3C 4S8

Tel: (705) 522-5300 Fax: (705) 523-0761

**PRODUCT TRADE NAME:** TSA ( Total Spill Absorbent )

**CAS NO:** 9003-04-7

**GENERIC/CHEMICAL NAME:** Sodium polyacrylate (9003-04-07)

**PRODUCT TYPE:** Absorbent mixture for oil & water based spills.

**PREPARATION/REVISION DATE:** April 3, 2007.

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## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

No components are listed in the WHMIS IDL. The components of this product are not regulated as hazardous under 20CFR and 49CFR

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## SECTION III - PHYSICAL AND CHEMICAL PROPERTIES

**BOILING POINT:** Not applicable.

**VAPOUR PRESSURE:** Unknown

**pH:** Not Applicable

**SPECIFIC GRAVITY:** Not applicable.

**WATER SOLUBILITY:** Not soluble.

**PHYSICAL STATE:** Solid

**APPEARANCE:** Brown or grey free flowing aggregate.

**ODOR:** None

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## SECTION IV - FIRE AND EXPLOSIVE DATA

**GENERAL FIRE HAZARDS:** No recognized fire hazards.

**FLASH POINT:** None

**FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Dry chemical, foam, CO<sub>2</sub>, water fog. Extremely slippery conditions are created if spilled product comes in contact with enough water.

**SPECIAL FIREFIGHTING PROCEDURES:** None.

**HAZARDOUS COMBUSTION PRODUCTS:** None known.

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear full protective clothing including self contained breathing apparatus.

**NFPA RATINGS:** Health: 1 Fire: 0 Reactivity: 0

**HAZARD SCALE:** 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

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## SECTION V - STABILITY AND REACTIVITY DATA

**STABILITY:** Material is stable.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION:** None known.

**INCOMPATIBILITY:** None

**CONDITIONS TO AVOID:** This product is intended to be used as a chemical absorbent. If possible, consult MSDS or supplier of material being absorbed.

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## SECTION VI - TOXICOLOGICAL PROPERTIES

**GENERAL PRODUCT INFORMATION:** Acute inhalation of respirable dust may cause irritation of the upper respiratory tract and lungs.

**ACUTE TOXICITY LD-50/LC-50:** LD50: Oral LD50 Rat: 40 gm/kg. Sodium Polyacrylate (9003-04-7)

**CARCINOGENICITY:** None

**MUTAGENICITY:** Not applicable

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## **SECTION VII - FIRST AID MEASURES**

**INGESTION:** Non-toxic by ingestion. In the instance of any non-food ingestion, seek medical attention of any sign of adverse symptoms.

**EYE:** Dust may cause burning, drying, itching or other discomfort resulting in reddening of the eyes. Immediately flush eyes with plenty of water for at least 15 minutes.

**SKIN:** May aggravate skin conditions due to drying effect. Remove product dust from skin using soap and water.

**INHALATION:** If inhaled, move to source of fresh air. Seek medical attention if symptoms persist.

**ADDITIONAL:** Note to physician: Treat symptomatically.

**HMIS RATINGS:** Health: 1 Fire: 0 Reactivity: 0

**HAZARD SCALE:** 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe \*=Chronic hazard

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## **SECTION VIII – PREVENTATIVE MEASURES**

**HANDLING PROCEDURES:** Handle as an eye and respiratory tract irritant. The manufacturer recognizes the potential for respiratory tract irritation and recommends an eight-hour exposure limit of 0.05 mg/m<sup>3</sup>.

**PROTECTIVE MEASURES:** Use caution after contact of product with water as extremely slippery conditions may result.

**PERSONAL PRECAUTIONARY MEASURES:** Avoid respirable dust inhalation during clean-up. Wear appropriate respirator. Wear safety glasses with side shields or goggles.

**SPILLS:** Sweep or vacuum material when possible and shovel into waste container.

**STORAGE:** Store in a dry, closed container.

**WASTE DISPOSAL:** This product is a non-hazardous waste material suitable for approved solid waste landfills. Dispose used product in accordance with Federal, Provincial and Municipal regulations.

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## **SECTION IX – PREPARATION DATA**

**PREPARED BY:** H2O Control Products Inc., Technical Dept., 2204 Algonquin Road, Sudbury, ON P3E 4Z6

**DATE:** April 3, 2007

### **ADDITIONAL NOTES:** Abbreviations

EPA Environmental Protection Agency

WHMIS Workplace Hazardous Materials Information System

CFR Code of Federal Regulations

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