



# SAFETY DATA SHEET

## WasteX Environmental Group

### 1. IDENTIFICATION

PRODUCT NAME: WX-100

RECOMMENDED USE: Industrial

SUPPLIER NAME: WasteX

EMERGENCY PHONE NUMBER: 416-258-0052

### 2. HAZARD

CLASSIFICATION: Non-hazardous

LABEL: This product does not require a hazard-warning label in accordance with GHS criteria

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Common Name	CAS No.	Concentration	Other Identifiers
(C3H3NaO2) <sub>n</sub>	Polymer Absorbent	9003-04-07	100%	N/A

**Note:** The components of this product are not regulated as hazardous under 29CFR and 49CFR. However, the manufacturer recognizes the potential for respiratory tract irritation as a result of inhalation of this material as a respirable dust. See Sections 8, 11, 14, and 15 for further regulatory information.



## 4. FIRST-AID MEASURES

### INHALATION

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get medical attention, if needed.

### SKIN CONTACT

No special measures required. Get medical attention if irritation develops or persists.

### EYE CONTACT

Flush eyes immediately with large amounts of water. If irritation persists, get medical attention.

### INGESTION

No special measures required. If ingestion of a large amount does occur, seek medical attention.

### MOST IMPORTANT SYMPTOMS AND EFFECTS, ACUTE OR DELAYED

N/A

## 5. FIRE-FIGHTING MEASURES

### FLAMMABLE PROPERTIES

Fine dust can form explosive mixtures with air. Take measures against electrostatic charge. Wood is combustible when exposed to heat or flame. Wood dusts may form explosive mixtures with air in the presence of an ignition source. An airborne dust concentration of 40 g/m<sup>3</sup> of air is often used as the lower explosion limit (LEL) for wood dust. Avoid prolonged breathing of wood dust or decomposition products.

### UPPER FLAMMABLE LIMIT (UFL)

Not Established

### LOWER FLAMMABLE LIMIT (LFL)

Not Established

### METHOD USED

None



**FLASH POINT**

None

**FLAMMABILITY CLASSIFICATION**

None

**HAZARDOUS COMBUSTION PRODUCTIONS**

May include carbon monoxide, aldehydes, or organic acids

**SUITABLE EXTINGUISHING MEDIA**

Dry chemical, CO<sub>2</sub>, water spray or regular foam. Extremely slippery conditions are created if spilled product comes in contact with water.

**UNSUITABLE EXTINGUISHING MEDIA**

N/A

**SPECIFIC HAZARDS ARISING FROM THE PRODUCT**

N/A

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS**

N/A

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS**

Ensure adequate ventilation. Wear a dust mask, safety gloves and goggles. Do not sweep product.

**ENVIRONMENTAL PRECAUTIONS**

Prevent further leakage or spillage if safe to do so. No special environmental precautions required.

**METHODS FOR CONTAINMENT AND CLEANING UP**

Avoid the generation of dusts during clean-up. Collect dust or particulates using a vacuum cleaner with a HEPA filter. Reduce airborne dust and prevent scattering by moistening with water.



## 7. HANDLING AND STORAGE

### **HANDLING**

Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment.

### **STORAGE**

No special restrictions on storage with other products. Store in a dry covered area. Guard against dust accumulation of this material.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **GENERAL PRODUCT INFORMATION**

This product is not regulated as a hazardous material. However, the manufacturer recognized the potential for respiratory tract irritation and recommends an eight-hour exposure limit of 0.05mg/m<sup>3</sup>.

### **INDIVIDUAL PROTECTION MEASURES:**

#### **EYE/FACE PROTECTION**

Wear dust goggles. Eye wash fountain is recommended.

#### **SKIN PROTECTION**

No special protective equipment required. Normal work clothing (long sleeved shirts and long pants) is recommended.

#### **RESPIRATORY PROTECTION**

Use appropriate engineering controls to avoid dust accumulation

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **PHYSICAL STATE:**

Granular/chips, solid

### **ODOR:**

None

### **PH:**

5.5-6.5 (1% in water)

<b><u>MELTING POINT:</u></b>	>390°F
<b><u>BOILING POINT/BOILING RANGE:</u></b>	N/A
<b><u>FLASH POINT:</u></b>	N/A
<b><u>EVAPORATION RATE:</u></b>	<1.0
<b><u>FLAMMABILITY (SOLID/GAS):</u></b>	N/A
<b><u>EXPLOSIVE LIMIT:</u></b>	N/A
<b><u>VAPOR PRESSURE:</u></b>	<10mmHg
<b><u>RELATIVE DENSITY (WATER=1):</u></b>	0.5-0.8
<b><u>SOLUBILITY IN WATER:</u></b>	N/A
<b><u>SOLUBILITY IN OTHER LIQUIDS:</u></b>	N/A
<b><u>PARTITION COEFFICIENT, N-OCTANOL/WATER:</u></b>	N/A
<b><u>AUTO-IGNITION TEMPERATURE:</u></b>	N/A
<b><u>DECOMPOSITION TEMPERATURE:</u></b>	N/A
<b><u>VISCOSITY:</u></b>	N/A

## 10. STABILITY AND REACTIVITY

### **REACTIVITY**

Not Known

### **CHEMICAL STABILITY**

Stable at normal conditions

### **CONDITIONS TO AVOID**

High temperatures, flames, and sparks

**CONDITIONS TO AVOID**

Not known

**INCOMPATIBLE MATERIALS**

Not known

**HAZARDOUS DECOMPOSITION PRODUCTS**

Carbon Monoxide, carbon dioxide, aldehydes

## 11. TOXICOLOGICAL INFORMATION

### ACUTE AND CHRONIC TOXICITY

#### A: GENERAL PRODUCT INFORMATION

Acute inhalation of respirable dust may cause irritation of the upper respiratory tract and lungs.

#### B: ACUTE TOXICITY-LD50/LC50

Acute Oral Toxicity: LD 50 rat  
Dose: 5000 mg/kg  
Method: Limit test

Acute Dermal Toxicity: LD 50 rat  
Dose: 2000 mg/kg  
Method: Limit test

Skin Irritation: Rabbit  
Method: OECD Nr.404  
Not irritant

Eye Irritation Rabbit  
Method: OECD Nr.405  
Very slight irritant

Sensitization: Guinea Pig  
Method: OECD Nr.406  
Result: 0/20  
No sensitization

#### **CARCINOGENICITY**

No information is available

#### **CHRONIC TOXICITY**

Chronic inhalation exposure to rats for a lifetime (two years) produced non-specific inflammation and chronic lung injury at 0.2 mg/m<sup>3</sup> and 0.8 mg/m<sup>3</sup>. Also, at 0.8 mg/m<sup>3</sup>, tumors were seen in some test animals. In the absence of chronic inflammation, tumors are not expected. There were no adverse effects detected at 0.05 mg/m<sup>3</sup>.

#### **MUTAGENICITY**

Had no effect in mutagenicity tests.

## **12. ECOLOGICAL INFORMATION**

#### **ECOTOXICITY**

##### **BIODEGRADABILITY:**

Practically no degradation. Method – OECD No. 302B

##### **PHYSICO-CHEMICAL REMOVABILITY:**

The product is easy to eliminate in water-treatment plants due to its insolubility.

##### **CILIATE TOXICITY:**

Tetrahymena pyriformis. EC<sub>50</sub>>6,000 mg/L. Method – Erlanger Ciliate tests (Prof Graf)

##### **BACTERIAL TOXICITY:**

Ps. Putida. EC>6,000 mg/L. Exposure time: 24 hours

##### **FISH TOXICITY:**

Leucisicus idus. LC<sub>50</sub>>5,500 mg/L. Exposure time: 24 hours

##### **FISH TOXICITY:**

Brachydamio rerio. LC<sub>50</sub>>4,000 mg/L. Exposure time: 96 hours

##### **ENVIRONMENTAL FATE:**

This material is relatively inert in aerobic and anaerobic conditions. They are immobile in landfills and soil systems (>90% retention), with the mobile fraction showing biodegradability. They are also compatible with incineration of municipal solid waste. Incidental down-the-drain disposal of small quantities of reagent blend will not affect the performance of wastewater treatment systems.



### 13. DISPOAL CONSIDERATIONS

Dispose in accordance with all applicable regulations.

### 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper shipping name	Technical name (for N.O.S. entry)	Transport Hazard class	Packing group
Not regulated as a dangerous good	N/A	N/A	N/A	N/A	N/A

**SPECIAL PRECAUTIONS:** N/A

**ENVIRONMENTAL HAZARDS:** N/A

**TRANSPORT IN BULK:** N/A  
(according to annex II of MARPOL 73/78 and the IBC Code)

### 15. REGULATORY INFORMATION

This product has been classified in accordance with hazard criteria of the CPR and the MSDS contains all the information required by the CPR

### 16. OTHER INFORMATION

**NFPA RATINGS**

Health 2  
Flammability 1  
Reactivity 0





**DISCLAIMER:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.

Third party materials: Insofar as materials not manufactured or supplied by this manufacturer are used in conjunction with, or instead of this product, it is the responsibility of the customer to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of this product in conjunction with materials from another supplier. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.