

2016-1272  
2016-02-26

**WT SMART BALLS™**

Controls sulfate reducing anaerobic bacteria in water in petroleum/gas storage tanks, pipelines or natural gas wells.

COMMERCIAL  
SLIMICIDE  
ANTIMICROBIAL PELLETS

**GUARANTEE:** 1-alkyl-1,3-aminopropane.....13.0% minimum

REGISTRATION NO. 30117 PEST CONTROL PRODUCTS ACT

**KEEP OUT OF REACH OF CHILDREN  
READ THE LABEL BEFORE USING**



**DANGER**  
**POISON**  
CORROSIVE TO SKIN AND EYES  
POTENTIAL SKIN SENSITIZER

**Net Contents:**

**Manufactured by:**  
**JACAM CHEMICALS 2013, LLC**  
**205 S. Broadway**  
**Sterling Kansas USA**  
**67579**

**Inquiries: (620) 278-3355**

<b>FIRST AID</b>	
If swallowed:	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If in eyes:	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing:	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled:	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
<p>CALL CHEMTREC 24 HOURS A DAY AT 800-424-9300 or 620-276-3355.            Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.</p>	

## PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

CORROSIVE to the eye and skin. Potential skin sensitizer. Causes irreversible eye damage and skin burns. Harmful if swallowed. May be fatal if inhaled. Avoid inhaling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. DO NOT get in eyes or on skin or clothing. Wear goggles or face shield, chemical-resistant gloves, long pants, a long-sleeve shirt, and shoes and socks when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

## TOXICOLOGICAL INFORMATION

Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage. Causes irreversible eye damage with redness and irritation. Rinse with warm water and treat symptomatically.

## ENVIRONMENTAL HAZARDS

Toxic to birds. Toxic to aquatic organisms. DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans, or other waters. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

## DIRECTIONS FOR USE

Use WT Smart Balls™ to control sulfate reducing anaerobic bacteria found in water in petroleum/gas storage tanks, pipelines or natural gas wells.

Apply the product using a closed delivery system such as a dry coupling and/or metering pump.

### Calculation of Water Volume in Storage Tanks:

Calculate the volume of water by the following equation:

$$\begin{aligned}\text{Volume (cubic meter)} &= 3.14 \times \text{radius}^2 \times \text{height} \\ \text{Volume in liters} &= \text{Cubic meter} \times 1000\end{aligned}$$

For example, for a storage tank with a radius of 45.7 m and a height of 0.6 m of contaminated water: the volume of the contaminated area would be:

$$\begin{aligned}\text{Volume cubic meter} &= 3.14 \times 45.7^2 \times 0.6 = 3934.715 \text{ cubic meters} \\ \text{Volume liter} &= 3934.715 \times 1000 = 3\,934\,715 \text{ liters}\end{aligned}$$

### Dose Rate:

For each use described below, treat fouled water at a rate of 70-100 ppm, and up to 200 ppm for heavily contaminated water. See table below for an example of the number of Smart Balls needed to treat 7570 L (2000 gal) of fouled water. The treatment rate must be based on the measured or expected volume of water.

Diameter and weight of WT Smart Ball	Number of Balls Needed to Treat 7570 L (2000 Gallons) of Fouled Water		
	70 ppm	100 ppm	200 ppm
10 cm (4 inches), 727 g	-	1	2
5 cm (2 inches), 75 g	8	10	20
2.5 cm (1 inch), 8 g	66	94	190
0.7 cm pellets (¼ inch), 0.4 g	1326	1894	3786

**Pipeline Pigging and Scraping Operations:**

The balls and water should be contained between the scraper and the trailing pig to ensure proper distribution. Where the pipeline is not piggable, introduce WT Smart Balls at a rate of 200 ppm of water. Repeat treatment as needed to maintain the bacterial colony count to 0 – 10 colonies per ml.

**Oil Storage Tanks:**

Fouling usually occurs in the bottom section of the tanks where water and solids normally settle out. Repeat treatment as needed to maintain the bacterial colony count to 0 – 10 colonies per ml.

**Fuel Storage Tanks:**

Water contaminated fuel settles to the bottom and sulfate reducing bacteria (SRB) may damage equipment. Repeat treatment as needed to maintain the bacterial colony count to 0 – 10 colonies per ml.

**Downhole Application:**

In straight, horizontal or directional drilled wells the WT Smart Balls™ are designed to sink to the bottom of the well. Repeat treatment as needed to maintain the bacterial colony count to 0 – 10 colonies per ml.

**Ratholes:**

Ratholes generally contain stagnant fluid that is a breeding ground for SRB which may damage equipment. Repeat treatment as needed to maintain the bacterial colony count to 0 – 10 colonies per ml.

**Natural Gas Storage Wells and Systems:**

WT Smart Balls™ should be dropped in the gas storage tanks just before gas is injected into the storage facilities. Repeat treatment as needed to maintain the bacterial colony count to 0 – 10 colonies per ml.

### **STORAGE AND DISPOSAL/DECONTAMINATION**

Do not contaminate water, food or feed by storage and disposal.

#### **Pesticide Disposal:**

Thoroughly empty the contents of the container into the application device.

Make the empty container unsuitable for further use.

Dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**Pesticide Storage:** Store inside a insulated cooler and maintain temperature below 38°C

Container should be stored in a cool, dry and well-ventilated area. Keep container tightly closed when not in use. Do not reuse empty container.

#### **Container Disposal:**

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

DO NOT reuse this container for any other purpose.

1. Triple- or pressure-rinse the empty container. Dispose of the rinsings in accordance with provincial requirements.
2. Make the empty, rinsed container unsuitable for further use. Dispose the container in accordance with provincial requirements.

### **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.