# Isolyser®/SMS®

# Safety Data Sheet

## SECTION 1 – IDENTIFICATION

**Date of Revision:** June 17, 2014

**Emergency Contact Telephone:** CHEMTREC (800) 424-9300

**Product Name:** SRS 800, SMS 2400, SMS 4000, SMS 10000
**Synonym:** None
**CAS Number:** None Assigned
**Chemical Family:** Solution: Water Based Monomer Solution, Catalysts: Inorganic Salts and Oxide

**Manufacturer:**
WCM, Inc.
6054 Corte Del Cedro
Carlsbad, CA 92011
(760) 930-9101
info@wastewise.com

**EMERGENCY CONTACT INFORMATION:**

CHEMTREC: (800) 424-9300

## SECTION 2 – HAZARD(S) IDENTIFICATION

**HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) RATING:**

Health= 2 Flammability = 1 Reactivity= 2 Protective Equipment= F

**CAUTION:** Harmful if inhaled, ingested, or absorbed through skin. May cause eye or skin irritation; avoid prolonged contact. Read SDS before using product. Catalysts are also corrosive.

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

| **Component:** | **CAS Number:** | (See Section 8 for exposure limits) |
|---|---|---|
| N-Methylolacrylamide | 924-42-5 | |
| Benzotriazole | 95-14-7 | |
| Sodium Nitrite | 7632-00-0 | |
| APS (Catalyst A) | 7727-54-0100 | |
| ZFS (Catalyst B) | 24887-06-7 | |

## SECTION 4 – FIRST AID MEASURES

**EYE CONTACT**: Flush with water for 15 minutes. Do not use chemical agents to neutralize. Seek medical aid.

**SKIN CONTACT:** Flush with water for 15 minutes. Remove and clean contaminated clothing. Seek medical aid.

**INHALATION:** Remove from exposure. Administer artificial respiration and oxygen if necessary. Seek medical aid.

**INGESTION:** Call CHEMTREC (800) 424-9300 and seek medical aid.

## SECTION 5- FIRE-FIGHTING MEASURES

**FLASH POINT & METHOD:** Not Applicable **AUTO IGNITION TEMP:** Not Established
**FLAMMABLE LIMITS (o/c VOLUME/AIR) LOWER:** No Data **UPPER:** No Data

**EXTINGUISHING MEDIA:** Not combustible under expected conditions of use. Water spray if fire occurs in area.

**FIRE-FIGHTING PROCEDURES:** Wear self-contained breathing apparatus to fight large fires.

**FIRE/EXPLOSION HAZARDS:** Emits toxic fumes under fire conditions. Contact with powdered metals causes fire.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURES:** *Solution:* absorb with paper, vermiculite, or floor absorbent. *Catalyst:* Sweep up using broom and dust pan.

**WASTE DISPOSAL:** All waste disposal must be done in accordance with applicable regulations.

## SECTION 7- HANDLING AND STORAGE

**HANDLING:** Avoid contact with liquid, powders, and vapors. Use with adequate ventilation. Handle in accordance with good industrial hygiene, appropriate personal protective equipment and following safe work practices.

**STORAGE:** Keep container and catalyst packs closed and away from other chemicals, heat, spark or open flame. Do not freeze. Catalyst is moisture sensitive and may generate heat when wet.

**OTHER:** Do not take internally. Do not wear contacts without eye protection.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Guidelines:** ( Product ) *Solution* - None Established. *Catalyst* - PEL is 5 mg/rn$^3$ for total dust.

**Ingredients CAS NO. Percent Exposure:**
Solution:
N-Methylolacrylamide 924-42-5 < 60 I mg/m3 [manufacturer's]
Benzotriazole 95-14-7 None Established
Sodium Nitrite 7632-00-0 None Established

Catalyst:
APS, Ammonium persulfate (A) 7727-54-0100) ACGIH 0.1 mg/m$^3$ (TWA) (per manufacturer)
ZFS, Zinc formaldehyde sulfoxylate (B) 24887-06-7 Total dust OSHA PEL, ACGIH TLV (per manufacturer)

*APS and ZFS contain sodium sulfate and Zinc (as component of ZFS) which may be subject to the reporting requirements of Section 313, Title 111 of SARA. Sodium nitrite may be subject to the reporting requirements of Section 313, Title III of SARA.

**Engineering Controls:** Use in a well-ventilated area
**Respiratory Protection:** NIOSH/OSHA air purifying or air-line respirators when dust levels exceed PEL.
**Eye Protection:** Dust-tight and chemical resistant goggles.
**Hand Protection:** Chemical resistant gloves.
**Skin Protection:** Wear appropriate protective clothing to minimize skin exposure.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Solution:** APS ZFS
**Boiling Point:** NA
**Melting Point:** NA
**Vapor Pressure:** NA

**Vapor Density:** NA
**Solubility in Water:** 100%
**Specific Gravity:** l.07 - l.051 @ 25$^{o}$ C
**Viscosity (30 °C):** NA
**% Volatile by vol.:** NA
**pH:** 4.9 - 6.5
**Evaporation Rate:** Equivalent to Water NA
**Appearance/Odor:** Clear liquid with mild odor. White powder/stale odor, White powder/strong odor

## SECTION 10 – STABILITY AND REACTIVITY

**Condition Contributing to Instability:** Extreme temperatures, exposure to incompatible materials.
**Incompatibility:** Oxidizing and reducing agents, strong acids or bases, peroxides, chloroformates, bisulfites, ammonia, cyanides, amines, copper, aluminum, and brass. Contact of finely powdered metals with catalyst may cause fire.
**Hazardous Reactions/ Decomposition Products:** Carbon monoxide, ammonia oxides of nitrogen and sulfur.
**Condition Contributing to Hazardous Polymerization:** Excessive heat.

## SECTION 11 – TOXICOLOGICAL INFORMATION

**EYE AND SKIN:** Solution. Direct contact may cause moderate irritation. Material may penetrate skin and cause nausea with prolonged or repeated contact. Catalyst: APS may permanently damage the eye causing blindness, be severely irritating to skin causing potentially permanent damage, and penetrate intact skin causing internal organ damage. ZFS may also cause irritation.

**INHALATION:** Solution: May produce tissue irritation, headaches, drowsiness, or unconsciousness. Catalyst: ZFS may cause transient irritation of the airways. If ZFS is heated and fumes generated (not consistent with anticipated product use), fever and reversible symptoms resembling an upper respiratory tract infection could occur. APS inhalation may be fatal due to severe respiratory tract inflammation.

**INGESTION:** May cause gastric irritation. One or more ingredients may be toxic if swallowed
Catalyst: ZFS may also produce mouth and throat irritation, nausea, vomiting and systemic illness. Ingestion of APS may be life threatening due to tissue corrosion.

## SECTION 12 – ECOLOGICAL INFORMATION (non-mandatory)

## SECTION 13 – DISPOSAL CONSIDERATIONS (non-mandatory)

## SECTION 14 – TRANSPORT INFORMATION (non-mandatory)

## SECTION 15 – REGULATORY INFORMATION

CA Prop. 65: This product contains a chemical(s) known to the State of California to cause cancer.

## SECTION 16 – OTHER INFORMATION

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**Disclaimer:** While the information and recommendations set forth herein are believed to be accurate as of the date hereof, WCM Inc, makes no warranty with respect thereto and disclaims all liability from reliance thereon. This product line is manufactured by WCM Inc.