

MATERIAL SAFETY DATA SHEET

OS OXYGEN SCAVENGER PELLETS

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SECTION I - IDENTIFICATION
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COMPANY NAME.....JACAM CHEMICALS, L.L.C.
EMERGENCY PHONE NUMBER... CHEMTREC 1-800-424-9300
EFFECTIVE DATE..... 07-29-1996, Original issue
REVISED DATE..... Not Applicable (N/A)
PRODUCT IDENTIFIER..... OS PELLETS OXYGEN SCAVENGER
TRADE NAME..... OS OXYGEN SCAVENGER PELLETS
CHEMICAL FAMILY..... OXYALKYLATED RESINS
CHEMICAL FORMULA..... PROPRIETARY INFORMATION

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SECTION II - HAZARDOUS INGREDIENTS
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HAZARDOUS INGREDIENTS	HAZARDOUS INGREDIENT PERCENT	TLV (Units)	HAZARDOUS INGREDIENT CAS/NA/UN NUMBERS
OXYALKYLATED PHENOL	**	Not Established (N/E)	9016-45-9
TRADE SECRET	**	N/E	**

**Proprietary Data

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SECTION III - PHYSICAL DATA
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BOILING POINT..... N/A
FREEZING POINT..... N/A
VOLATILITY/VOL(%)..... N/A
MELTING POINT..... 130 - 140 F
VAPOR PRESSURE..... N/A
VAPOR DENSITY (air=1).... N/A
SOLUBILITY IN H2O..... Complete
ODOR AND APPEARANCE..... No appreciable odor/Solid pale yellow pellets
SPECIFIC GRAVITY..... Calc. 1.110
EVAPORATION RATE..... N/A
pH..... 8 - 9

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA
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FLASHPOINT AND METHOD OF DETERMINATION..... N/A

LOWER EXPLOSION LIMIT(% BY VOL)..... N/A
UPPER EXPLOSION LIMIT(% BY VOL)..... N/A

MEANS OF EXTINCTION..... Water fog, carbon dioxide, dry chemical, foam

FOR FIRE..... Wear complete personal protective equipment and use a positive-pressure NIOSH/MSHA-approved self-contained breathing apparatus. Treat as an oil fire. Keep upwind.
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SECTION V - HEALTH HAZARD DATA
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ODOR THRESHOLD..... N/D

ACUTE OVER EXPOSURE EFFECTS..... SKIN: Prolonged contact may cause irritation.
EYES: May cause irritation. Prolonged contact may cause severe irritation and/or burns.
INHALATION: Not an expected route of exposure unless product is melted at which time evolving fumes may cause respiratory irritation.
INGESTION: May cause gastric disturbances, may be moderately toxic. May cause severe allergic reactions in some asthmatics and sulfite-sensitive individuals. Large doses may cause violent colic and diarrhea, circulatory disturbances, Central Nervous System depression, and even death. Symptoms of CNS depression include headache, dizziness, drowsiness, lethargy, fatigue, impaired memory, blurred vision, giddiness, slurred speech, "drunkenness," unconsciousness, and collapse.

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SPECIFIC FIRST AID
PROCEDURES.....

SKIN: Immediately remove contaminated clothing and shoes. Wash affected area with plenty of soap and water. If irritation persists, obtain medical attention. Launder clothing and clean shoes before reuse.
EYES: Immediately flush with plenty of water for at least 15 minutes, retracting lids frequently. Obtain immediate medical attention, preferably by an ophthalmologist.
INHALATION: Remove to fresh air immediately. Give oxygen or artificial respiration as needed. If symptoms persist, obtain medical attention.
INGESTION: If conscious and alert, immediately induce vomiting by giving 2 glasses of water to drink, then sticking a finger down the throat. Continue until vomit is clear. Keep head below hips to prevent aspiration. Obtain immediate medical attention. Never attempt to give anything by mouth to an unconscious or convulsing person.

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SECTION VI - REACTIVITY DATA
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CHEMICAL STABILITY..... Stable
CONDITIONS OF REACTIVITY. Heat and open flames, moisture and excessive humidity.
INCOMPATIBLE MATERIALS... Acids, strong alkalies, and oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS..... Contact with acids yields potentially fatal Sulfur Dioxide gas and causes vigorous exothermic reactions. High temperatures yield Sulfur Dioxide gas and toxic and corrosive sodium sulfide residue.
HAZARDOUS POLYMERIZATION. Will not occur
POLYMERIZATION AVOID..... N/A

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SECTION VII - SPILL OR LEAK PROCEDURE
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LEAK AND SPILL PROCEDURES Wearing gloves to prevent skin contact, sweep up and recover in containers for future use. If contamination interferes with usefulness of product, dispose of in DOT-approved waste containers.
WASTE DISPOSAL..... Dispose of in accordance with applicable local, state and federal regulations.

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SECTION VIII - SPECIAL PROTECTION
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RESPIRATORY PROTECTION... In case of insufficient ventilation, wear suitable respiratory equipment.
VENTILATION..... Special ventilation may be required if operating conditions result in release of vapors exceeding PEL/TLV.
PROTECTIVE GLOVES..... Impervious PVC-coated, rubber, or neoprene.
EYE PROTECTION..... Safety glasses. DO NOT wear contact lenses.
OTHER PROTECTIVE EQUIPMENT..... Wear suitable protective clothing to prevent skin contact and inhalation of dusts, or mists of melted product. Eye wash fountain, safety shower, and lavatory should be readily available.
HANDLING PROCEDURES AND EQUIPMENT..... Avoid personal contact and inhalation of dusts and mists of melted product. Store in cool, dry, well-ventilated area away from heat, direct sun, sources of ignition, moisture, and incompatible materials. Keep containers tightly closed when not in use.

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SECTION IX - SPECIAL PRECAUTIONS
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HAZARD CLASS..... Not D.O.T. Regulated
DOT SHIPPING NAME..... N/A NON-HAZARDOUS
REPORTABLE QUANTITY (RQ). None
UN NUMBER..... N/A
NA #..... N/A
PACKAGING SIZE..... 25 lb. pails/30 lb. coolers

FOOT NOTES

NFPA CLASSIFICATION: HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 0
SPECIFIC HAZARD: N/A

REFERENCES

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----- N O T I C E -----

All information provided in this Material Safety Data Sheet (MSDS) is based upon data obtained from the manufacturer and/or recognized technical sources and is believed to be reliable as of the date hereof. JACAM Chemicals, L.L.C. provides no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness. Conditions of use are beyond JACAM's control and therefore users are responsible to verify this data under their own operating conditions to determine whether this product is suitable for their particular circumstances. Users assume all risks of the use, handling, and disposal of this product, or from the publication or use of, or reliance upon, information contained herein. This MSDS relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process. JACAM knows of no medical condition, other than those noted in this MSDS, which are generally recognized as being aggravated by exposure to this product.

* * * END OF MSDS * * *