



ADENA TECHNOLOGIES

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 03/31/09

This MSDS complies with OSHA's Hazard Communication Standard CFR 1910.1200 and OSHA Form 174.

N/A SIGNIFIES NON-APPLICABLE

IDENTITY AND SUPPLIERS INFORMATION

PRODUCT NAME: **ADENA 4629** CHEMICAL FAMILY: Oxygen Scavenger
 PRODUCT NUMBER: AD4629 FORMULA: PROPRIETARY
 SUPPLIER'S NAME: ADENA TECHNOLOGIES PHONE NUMBER: (888) 247-2312
 SUPPLIER'S ADDRESS: 101 Technology Lane EMERGENCY NO.: (800) 255-3924
 Export, PA 15632
 DATE PREPARED: 03/31/09
 PROPER SHIPPING NAME: CONSUMER COMMODITY (ORM-D)

NFPA HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING
HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
MAX PERSONAL PROTECTION	--

SECTION 1 - INGREDIENT IDENTIFICATION AND INFORMATION

CHEMICAL NAME	CARC.	CAS NO.	WT %	SARA III	PEL	TWA-TLV	STEL-TLV
Sodium Bisulfite	No	7681-57-4	<25		5mg/m3	5mg/m3	

SECTION 2 - PHYSICAL/CHEMICAL PROPERTIES SECTION 3 - FIRE/EXPLOSION HAZARD DATA

BOILING POINT: Not Determined
 VAPOR PRESSURE : Not Determined
 VAPOR DENSITY: Not Determined
 SOLUBILITY IN WATER: Complete
 SPECIFIC GRAVITY @20°C: 1.23
 pH RANGE: 6.5
 EVAPORATION RATE (Water=1) : < 1
 VOLATILE RATE: 70%
 PHYSICAL DESCRIPTION: Brown hazy liquid with mild odor.

AUTO IGNITION TEMP: Not Applicable
 FLASH POINT: Not Applicable
 FLAMMABILITY LIMITS: Not Applicable
 EXTINGUISHER MEDIA: Not combustible
 SPECIAL FIRE FIGHTING PROCEDURES: Oxides of sulfur may be liberated in very hot fire. Wear self-contained breathing apparatus.
 UNUSUAL FIRE/EXP. HAZARDS: Not Applicable

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable
 INCOMPATIBILITY: Strong acids, strong oxidizers.
 CONDITIONS TO AVOID: Temperatures above 212°F (100°C).
 HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of sulfur.
 HAZARDOUS POLYMERIZATION: Will Not Occur

SECTION 5 - HEALTH HAZARD DATA AND FIRST AID

<p>PRIMARY ROUTES OF ENTRY: SKIN: May cause irritation upon extended contact.</p> <p>EYES: May cause irritation upon contact.</p> <p>INHALATION: May cause breathing difficulties in sensitive individuals, particularly asthmatics.</p> <p>INGESTION: May cause irritation.</p>	<p>FIRST AID PROCEDURES: SKIN: Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develops, get medical attention. Launder contaminated clothing before reuse.</p> <p>EYES: Immediately flush eyes with large amounts of water for 15 minutes and get medical attention.</p> <p>INHALATION: Move to fresh air. Aid in breathing, if necessary, and get medical attention.</p> <p>INGESTION: If swallowed, INDUCE VOMITING. Get medical attention immediately. Never give anything by mouth to an unconscious person.</p>
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SECTION 6 - CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION: Respirator not required with most applications.
 VENTILATION: Local exhaust is generally sufficient to minimize exposure.
 PROTECTIVE CLOTHING: Neoprene gloves, apron, boots – as necessary to prevent skin contact.
 EYE PROTECTION: Chemical goggles.
 OTHER PRECAUTIONS: Safety shower and eyewash fountains should be easily accessible.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Flush with large amounts of water to sanitary sewer.
 WASTE DISPOSAL METHODS: Dispose of in accordance with all Federal, State, and Local regulations.
 PRECAUTION IN STORAGE AND HANDLING: Empty containers may contain residuals. Thoroughly clean then offer for recycling, reuse, or dispose of in accordance with regulations.
 OTHER PRECAUTIONS:

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without any warranty or guarantee of any kind.