



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

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.

SECTION 3 - FIRE/EXPLOSION HAZARD DATA

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

PRIMARY ROUTES OF ENTRY:	FIRST AID PROCEDURES:
SKIN: May cause irritation upon extended contact.	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.
EYES: May cause irritation upon contact.	EYES: Immediately flush eyes with large amounts of water for 15 minutes and get medical attention.
INHALATION: May cause breathing difficulties in sensitive individuals, particularly asthmatics.	INHALATION: Move to fresh air. Aid in breathing, if necessary, and get medical attention.
INGESTION: May cause irritation.	INGESTION: If swallowed, INDUCE VOMITING. Get medical attention immediately. Never give anything by mouth to an unconscious person.

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.