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U.S. DEPARTMENT OF LABOR
 Occupational Safety and Health Administration

Form Approved
 OMB N° 44-R1387

MATERIAL SAFETY DATASHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
 Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

Manufacturer's name : campine nv		Emergency telephone n°	
		Transport +1-800-424-9300 (CHEMTREC)	
Address (Number, Street, City, State and Zip Code) :			
Nijverheidsstraat 2, B-2340 BEERSE (BELGIUM)			
Importer : Campine North America		Telephone n° : +1-410-769-8200	
Chemical name and synonyms :		Trade name, synonyms :	
Antimony Trioxide, Antimony Oxide		ANTIOX Blue Star MT	
		Code :	
		160107	
Chemical family : Metal Oxide		Formula :	
UN identification : UN 3077		Sb2O3 (CAS: 1309-64-4)	
Antimony Trioxide may be reportable under SARA title III Sections 311 and 312 and is reportable under Section 313			

SECTION II - HAZARDOUS INGREDIENTS

IDENTITY	CAS-N°	%	ACGIH TLV	ACGIH STEL	OSHA PEL
Antimony oxide	1309-64-4	99.5	0,5mg/m3 as Sb	NONE	0,5mg/m3 as Sb
Arsenic	7440-38-2	< 0,3	0,01mg/m3 as As	NONE	0,01mg/m3 as As
Lead	7439-92-1	< 0,25	0,15 mg/m3 as Pb	NONE	

SECTION III - PHYSICAL DATA

Boiling Point (°F)	2622	Specify gravity (H ₂ O = 1)	5.67
760 mm Hg sublimes			
Vapor pressure (mm Hg) not applicable	NA	Percent volatile by volume (%)	NA
Vapor density (Air = 1)	NA	Evaporation rate (----- = 1)	NA
Solubility in water	very slight		
Appearance and odor :	Fine, white odorless powder		

Issued: 06/Sep/1999

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash point (method used)	Flammable Limits	LeI	Vel
Not flammable	NA		
Extinguishing Media			
NA			
Special fire fighting procedures			
Wear NIOSH/MSHA approved dust respirator and protective clothing in accordance with 29 CFR 1910.133 and 134			
Unusual fire and explosion hazard			
NA			

SECTION V - HEALTH HAZARD DATA

Threshold limit value TLV-TWA Sb ₂ O ₃ (handling and use) expressed as Sb : 0,5 mg/m ³	
Effects of overexposure :	
Inhalation :	Can cause irritation to the respiratory tract and mucous membranes. Antiox is not a carcinogen (Bio/Dynamics' chronic whole-body inhalation study, '86-'89)
Eye contact :	May be irritating
Skin contact :	Prolonged or frequent contact with the skin can result in irritation and skin lesions. Irritation of the skin by antimony trioxide will be increased by perspiration or moisture.
Emergency and first aid procedures :	
Inhalation :	Remove to fresh air.
Eye contact :	Flush eyes thoroughly with water
Skin contact :	Wash with soap and water
Ingestion :	Drink a quart of water and induce vomiting

SECTION VI - REACTIVITY DATA

Stability	Unstable		Conditions to avoid	
	Stable	X	None	
Incompatibility (Materials to avoid)		None known		
Hazardous decomposition products		None		
Hazardous polymerization	May occur		Conditions to avoid	
	Will not occur	X	None	

SECTION VII - SPILL OR LEAK PROCEDURES

Packaging size : 999 lbs. or less DOT Shipping name : Antimony trioxide DOT Hazard Class : NA	Packaging size : 1,000 lbs. and greater DOT Shipping name : RQ ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Antimony trioxide) 9, UN3077, PGII DOT Hazard Class : 9
Steps to be taken in case material is release or spilled : Vacuum or sweep all spilled material without creating dust and place in closed plastic bags for disposal.	
Waste disposal method : Dispose of material in accordance with all Federal, state and local air pollution water pollution and solid waste regulations Burial in a EPA-approved hazardous waste landfill is recommended.	

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory protection (Specify type) NIOSH/MSHA approved for toxic dust		
Ventilation	Local exhaust to maintain employee exposure below	Special
	OSHA permissible exposure.	
	Mechanical (General)	Other
Protective gloves Neoprene or rubber.		Eye protection Chemical Safety glasses.
Other protective equipment Long sleeved shirt.		
Antimony Trioxide is listed in the EPA-TSCA inventory, 1980.		

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing When handling, wear gloves, long sleeved shirt and safety glasses. Store in well ventilated dry area.
Other precautions Do not store in open inadequate mislabeled packaging.

References

Permissible Concentration References : Threshold Limit Values and Biological Exposure Indices,
 American Conference of Governmental Industrial Hygienists
 Register of Toxic Effects of Chemical Substances, National Institute of Occupational Safety and Health (NIOSH)
 Occupational Safety & Health Standards, 29 Code of Federal Regulations Part 1910.1000 (Subpart L)
 Occupational Safety & Health Standards, 29 Code of Federal Regulations Part 1910.1018 (Inorganic arsenic).
 Hazard Information References :
 IARC Monographs, International Agency for Research on Cancer

