

MATERIAL SAFETY DATA SHEET

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

SECTION I

MANUFACTURER'S NAME Action Mining Services Inc.		EMERGENCY TELEPHONE NO. 800 624-1511
37482 Ruben Lane Sandy OR 97055		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS Catalytic Converter Flux	
CHEMICAL FAMILY	FORMULA <chem>PbONa2B4O7SiD2Na2CO3</chem>	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS	Lead Monoxide	58	.050 Mg/m ³		
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	2800	SPECIFIC GRAVITY (H ₂ O=1)	6
VAPOR PRESSURE (mm Hg.)		PERCENT, VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ =1)	
SOLUBILITY IN WATER	Moderate		
APPEARANCE AND ODOR	Black-orange color - Odorless Granules or Powder		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	N/A	Lel	Uel
EXTINGUISHING MEDIA					
SPECIAL FIRE FIGHTING PROCEDURES	Water may be used. Use Niosh approved breathing apparatus & full protective clothing				
UNUSUAL FIRE AND EXPLOSION HAZARDS	N/A				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE .050 mg/m³

EFFECTS OF OVEREXPOSURE Acute-if left untreated: weakness, vomiting, loss of appetite, uncoordinated body movements, convulsions, stupor & possible coma.
 Chronic-if left untreated: weakness, insomnia, hypertension, slight irritation of skin & eyes, metallic taste, anemia, constipation & headache
 EMERGENCY AND FIRST AID PROCEDURES Inhalation: Remove from exposure, Get medical attn: if experiencing effects of over exposure.

Ingestion: If abnormal ingestion occurs induce vomiting. Get medical attn.

Skin: Wash with soap & water. Eyes: Flush with tepid water 15 minutes.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 Avoid inhalation. Use protective gear. Use vacuum. Do not use compressed air or dry sweeping. Store in dry containers for disposal.

WASTE DISPOSAL METHOD
 Dispose of material in accordance with federal, state & local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)
 Use NIOSH approved respirator for toxic dusts and/or fumes

VENTILATION	LOCAL EXHAUST When PEL value is exceeded	SPECIAL
	MECHANICAL (General) Ventto approved dust collector	OTHER

PROTECTIVE GLOVES General purpose EYE PROTECTION Safety glasses

OTHER PROTECTIVE EQUIPMENT
 Protective clothing required if PEL is exceed

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
 Avoid dusting & fumes. Use protective equipment

OTHER PRECAUTIONS
 Avoid ingestion or inhalation. Practice good personal hygiene.
 Wash thoroughly before smoking, eating or drinking.