

**SECTION 1 -**

Manufacturer's Name <b>DEFENSE TECHNOLOGY CORPORATION OF AMERICA</b>		Emergency Telephone No. <b>800-733-3832</b>
Address <b>P.O. BOX 240</b>		
City, State, and ZIP <b>CASPER, WYOMING 82602</b>		Other Information Calls <b>800-733-3832</b>
Signature of Person Responsible for Preparation (Optional)		Date Prepared <b>AUGUST 19, 1993</b>

**SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY**

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO.
<b>ZINC OXIDE</b>		<b>5 mg/m<sup>3</sup></b>			<b>1314-13-2</b>
<b>HEXACHLOROETHANE</b>		<b>— (dogs)</b>	<b>MLD 325mg/kg</b>		<b>67-72-1</b>
<b>ALUMINUM POWDER</b>		<b>10 mg/m<sup>3</sup></b>			<b>7429-90-5</b>

**SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS**

Boiling Point <b>N/A</b>	Specific Gravity (H <sub>2</sub> O = 1) <b>GREATER THAN 1</b>	Vapor Pressure (mm Hg) <b>N/A</b>
Vapor Density (Air = 1) <b>N/A</b>	Reactivity in Water <b>YES (ALUMINUM POWDER)</b>	
Stability in Water <b>SLIGHT</b>	Melting Point <b>N/A</b>	
Appearance and Odor <b>WHITE POWDER</b>		

**SECTION 4 - FIRE & EXPLOSION DATA**

Flash Point <b>Unk</b>	F.C. Method Used <b>F.C.</b>	Flammable Limits in Air % by Volume <b>UNKNOWN</b>	LEL Lower <b>UNKNOWN</b>	UEL Upper <b>UNKNOWN</b>
Auto-ignition temperature <b>UNKNOWN</b>	Extinguisher Media <b>DRY CHEMICAL</b>	Special Fire Fighting Procedures <b>SELF-CONTAINED BREATHING APPARATUS.</b>		

Usual Fire and Explosion Hazards **BURNS VIGOROUSLY AND MAY EXPLODE IF CONFINED.**

**SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)**

Unstable ☐ Conditions  
Stable ☒ to Avoid

ability  
to Avoid) **WATER**

Reaction Products **CCl<sub>4</sub>, C<sub>2</sub>Cl<sub>4</sub>, ALUMINUM OXIDE, ZnCl<sub>2</sub>**

May Occur ☐ Conditions  
Will Not Occur ☒ to Avoid

**SECTION 6 - HEALTH HAZARDS**

2. Chronic

and  
Time of Exposure **IRRITATING TO SKIN AND MUCUS MEMBRANES. IN HIGH CONCENTRATIONS,  
IT HAS A NARCOTIC EFFECT.**

Conditions Generally **MAY DAMAGE KIDNEY AND LIVER**  
Noted by Exposure

Not Listed as Carcinogen  
Potential Carcinogen

National Toxicology Yes ☐  
Program No ☒

I.A.R.C. Yes ☐  
Monographs No ☒

OSHA Yes ☐  
No ☒

First Aid Procedures **REMOVE TO FRESH AIR; GIVE OXYGEN IF NECESSARY. WASH WITH SOAP AND WATER.  
IF INGESTED, CONTACT PHYSICIAN.**

**MINUTES  
TRY**

1. Inhalation **REMOVE TO FRESH AIR; GIVE OXYGEN IF NECESSARY.**
2. Eyes **FLUSH WITH WATER.**
3. Skin **WASH WITH SOAP AND WATER.**
4. Ingestion **CONTACT PHYSICIAN.**

**SECTION 7 - SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES**

Actions to be Taken **STORE AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.**  
during and Storage

Conditions **NONE**

Actions to be Taken in Case **SWEEP INTO CONTAINER; AVOID CONTACT WITH WATER.**  
Material is Released or Spilled

Disposal **DISPOSE OF BY INCINERATION; STATE AND LOCAL LAWS  
(Consult Federal, State, and Local Regulations) TAKE PRECEDENCE.**

**SECTION 8 - SPECIAL PROTECTION INFORMATION / CONTROL MEASURES**

Respiratory Protection **DUST RESPIRATOR**  
(by type)

Ion YES Local Exhaust YES Mechanical (General) YES Special EXPLOSION-PROOF Other  
Eye Protection GOGGLES

Protective  
Clothing or Equipment

Hygienic Practices **WASH WITH SOAP AND WATER; WEAR MASK; NO SMOKING.**