



# MATERIAL SAFETY DATA SHEET

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## SECTION 1 – PRODUCT IDENTIFICATION

PRODUCT NAME: METAL-COTE  
PRODUCT NUMBER: 1605  
EMERGENCY TELEPHONE: CHEMTREC (800) 424-9300  
DATE PREPARED: 03/12/02  
PREPARED BY: ACT-GS  
CHEMICAL FAMILY: METALLIC CONCRETE ADDITIVE  
SUPERCEDES: 09/25/1990

## SECTION 2 – HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	OSHA PEL	ACGIH TLV	WT%
IRON POWDER	1309-37-1	N.E.	10 mg/m <sup>3</sup>	<100
AMMONIUM CHLORIDE	12125-02-9	N.E.	10 mg/m <sup>3</sup>	<3

CONTAINS NO CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313

## SECTION 3 – PHYSICAL DATA

BOILING POINT (°F):	N.A.	MELTING POINT:	2750°F
SPECIFIC GRAVITY:	7.6	EVAPORATION RATE:	N.A.
VAPOR PRESSURE:	N.A.	VAPOR DENSITY:	N.A.
SOLUBILITY, WATER:	Slightly soluble(<3%)		
APPEARANCE/ODOR:	Gray granular powder, no odor		

## SECTION 4 – FIRE AND EXPLOSION DATA

FLASH POINT: N.A. FLAMMABILITY LIMITS: N.A.  
AUTOIGNITION TEMPERATURE: No data available  
EXTINGUISHING MEDIA: Dry Chemical or sand to smother fire.

SPECIAL FIREFIGHTING INSTRUCTIONS: Use water in mist or fog only to avoid spreading powder or dust. Wear full firefighting gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dust may create an explosion hazard.

## SECTION 5 - REACTIVITY DATA

STABILITY: Stable. CONDITIONS TO AVOID: Heat

INCOMPATIBILITY: Avoid strong oxidizers, acids.

HAZARDOUS DECOMPOSITION BYPRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION 6 – HEALTH HAZARD DATA

ROUTES OF EXPOSURE: Inhalation, and Eye Contact.

HEALTH HAZARDS (ACUTE): May cause mechanical irritation of the eyes. Dust may be irritating to the respiratory tract if inhaled.

HEALTH HAZARDS (CHRONIC): None known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: May aggravate preexisting respiratory conditions.

Ingredients are not considered carcinogenic by OSHA, NTP, or IARC.

**EMERGENCY AND FIRST AID PROCEDURES:** IF INHALED: Remove person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, administer artificial respiration. Seek emergency medical attention. SKIN CONTACT: Remove material with mild soap and water. EYE CONTACT: Flush eyes with cool running water for at least 15 minutes while holding eyelids open. If irritation persists, seek medical attention. IF INGESTED: Call a doctor or Poison Control Center immediately.

## SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Wear a dust mask or respirator to avoid breathing dust. Avoid creating airborne dust during clean-up.

WASTE DISPOSAL: Dispose of material in accordance with applicable Federal, State and local regulations.

PRECAUTIONS FOR STORAGE AND HANDLING: Keep containers closed when not in use. Use good housekeeping procedures to avoid creating dust.

## SECTION 8 – CONTROL MEASURES

RESPIRATORY PROTECTION: **FOR OUTDOOR USE ONLY.** Avoid breathing dust. In dusty conditions, use an approved dust mask or NIOSH/MSHA approved respirator fitted with a dust filter.

EYE PROTECTION: Wear safety glasses or goggles.

PROTECTIVE GLOVES: Recommended.

PROTECTIVE CLOTHING: Wear long pants and long sleeved shirt. Remove contaminated clothing and launder before reuse.

SECTION 9 – OTHER INFORMATION

ABBREVIATIONS			NFPA	HMIS
	NA=NOT APPLICABLE	HEALTH	1	1
	ND=NOT DETERMINED	FLAMMABILITY	0	0
	NE=NOT ESTABLISHED	REACTIVITY	0	0
		PERSONAL PROTECTION		B

DOT Proper Shipping Name: Not regulated.

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