



MSDS FOR ZINSTABE 2426, 2427, 2417**ZC-X016**

SECTION I - GENERAL INFORMATION**NAME:** SPECIALTY OXIDE**MANUFACTURER:**
HORSEHEAD CORPORATION
300 Frankfort Road
Monaca, PA 15061
724-774-1020**TRANSPORTATION EMERGENCY:**
CHEMTREC: 800-424-9300**TRADE NAME AND SYNONYMS:** Zinstabe 2426, 2427, 2417**CHEMICAL FAMILY:** Nonferrous Metal Oxide**CAS NO.:** 1314-13-2**FORMULA:** ZnO**DOT HAZARD CLASS:** Not listed **UN NO.:** NAIF* **NA NO.:** NAIF*

SARA SECTION 313: This product is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR 372. The materials underlined below are present in quantities above the applicable deminimis concentrations and are listed as Toxic Chemicals in 40 CFR 372.65.

ISSUE DATE: 2/12/88**REVISION DATE:** 1/18/05

* NAIF - No applicable information found.

SECTION II - INGREDIENTS

<u>MATERIAL</u>	<u>CAS NO.</u>	<u>%</u>
PROPRIETARY NONHAZARDOUS	--	70
<u>ZINC OXIDE</u>	1314-13-2	30

SECTION III PHYSICAL DATA

BOILING POINT (760 MM HG): N/A

MELTING POINT: 3587° F

SPECIFIC GRAVITY: 1.8

EVAPORATION RATE (=1): N/A

VAPOR DENSITY (air = 1): N/A

SOLUBILITY IN WATER: Moderate

PERCENT VOLATILE BY VOLUME (%): N/A

VAPOR PRESSURE AT 20° C: N/A

APPEARANCE AND ODOR: White powder.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A

NFPA FIRE RATING

FLAMMABLE LIMITS: LEL: N/A
UEL: N/AHEALTH 0
FLAMMABILITY 0
REACTIVITY 0

EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam, or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Non-flammable

UNUSUAL FIRE AND EXPLOSION HAZARDS: Treat as a flammable dust in finely divided suspended state.

SECTION V - HEALTH HAZARD DATA

<u>MATERIAL</u>	<u>FORM</u>	<u>OSHA-PEL</u>		<u>ACGIH-TLV</u>	
		TWA mg/m ³	STEL mg/m ³	TWA mg/m ³	STEL mg/m ³
ZINC OXIDE	Total Dust	15		10	--
	Respirable (Fume)	5		2	10

ROUTES OF ENTRY

PRIMARY: Inhalation

SECONDARY: Ingestion

WASTE DISPOSAL METHOD: Dispose in a closed container or heavy bag. Material may be recycled or disposed of in accordance with Federal, State and Local Environmental Regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): Use NIOSH/MSHA approved type respirator for protection for dusting conditions.

VENTILATION: Local exhaust or other ventilation that will reduce dust concentrations to less than permissible exposure limits.

PROTECTIVE GLOVES: Recommended to prevent skin irritation in hypersensitive individuals.

EYE PROTECTION: Use safety eyewear for protection against airborne particulate matter.

OTHER PROTECTIVE EQUIPMENT: Barrier creams may help prevent skin irritation in hypersensitive individuals.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry location away from ignition sources.

OTHER PRECAUTIONS: Practice good personal hygiene when working in areas where this material is used. Avoid prolonged contact with skin.

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