

## MATERIAL SAFETY DATA SHEET

LANIER  
 9 PARKLAKE DR. N.E.  
 LANTA, GA 30345-2979  
 (404) 621-1395 (8am-6pm)  
 (800) 333-2679 (6pm-8am)

SUPERSEDES: NONE  
 DPI LD. NUMBER: 491-0228

ISSUED: FEBRUARY 12, 1991  
 DOCUMENT NO: FX-044  
 DUNS NO: 150634004  
 PRODUCT ID:

## 1. PRODUCT IDENTIFICATION

CHEMICAL FAMILY:

Powdered mixture

TRADE NAME:

DEVELOPER

5200, 6200, 7200

DEPARTMENT OF TRANSPORTATION PROPER SHIPPING NAME:

N/A

DEPARTMENT OF TRANSPORTATION HAZARD CLASS:

N/A

## 2. INGREDIENTS

PERCENT

CAS NO.

EXPOSURE LIMITS

SOURCE\*

Iron Oxide (Fe<sub>2</sub>O<sub>3</sub>)

75.0

1309-37-1

5 mg/m<sup>3</sup>

A

Zinc Oxide (ZnO)

15.0

1314-13-2

5 mg/m<sup>3</sup>

A

Barium Oxide

15.0

1304-28-5

N/A

Nickel Oxide

10.0

1313-99-1

N/A

\* SOURCE OF EXPOSURE LIMIT DATA:

A. ACGIH THRESHOLD LIMIT VALUES

C. LANIER GUIDELINES

E. NONE ESTABLISHED

B. FEDERAL OSHA PERMISSIBLE EXPOSURE LIMIT

D. MANUFACTURER RECOMMENDED GUIDELINES

ABBREVIATIONS: N/A = NOT APPLICABLE

N/D = NOT DETERMINED

## PHYSICAL DATA

BOILING POINT: N/A °F

SOLUBILITY IN H<sub>2</sub>O: INSOLUBLE

VAPOR PRESSURE: N/A AT °F

SPECIFIC GRAVITY (H<sub>2</sub>O=1): 4-5

VAPOR DENSITY: N/A (AIR = 1)

pH: N/A

EVAPORATION RATE: N/A (ETHER = 1)

VISCOSITY: N/A

% VOLATILE: N/A

MELTING POINT: 1000°C+

APPEARANCE AND ODOR:

Fine, black, odorless powder.

## 4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TEST METHOD): N/A

FLAMMABILITY LIMITS:

LEL = N/A UEL = N/A

EXTINGUISHING MEDIA: Dry chemical, foam or water

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

This material has no unusual fire or explosion hazards.

## 5. REACTIVITY DATA

STABILITY: STABLE | x | UNSTABLE | | HAZARDOUS POLYMERIZATION: MAY OCCUR | | MAY NOT OCCUR | x |

INCOMPATIBILITY = MATERIALS TO AVOID: Thinner

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS:

None

TRADE NAME: DEVELOPER

DATE: FEBRUARY 12, 1991

**6. ENVIRONMENTAL INFORMATION**

**SPILL RESPONSE: (OBSERVE ALL PRECAUTIONS IN SECTION 7):**

SWEEP UP OR CLEAN UP WITH A VACUUM CLEANER.  
DUST FILTER RESPIRATOR REQUIRED WHEN TLV EXCEEDED.

**RECOMMENDED DISPOSAL:**

WASTE MATERIAL MAY BE DUMPED OR INCINERATED UNDER CONDITIONS WHICH MEET ALL FEDERAL, STATE, AND LOCAL ENVIRONMENT REGULATIONS.

**ENVIRONMENTAL DATA:**

**7. PRECAUTIONARY INFORMATION**

NO SPECIAL STORAGE REQUIREMENTS FOR SAFETY REASONS.  
STOR IN DRY PLACE. DO NOT STORE NEAR HEAT SOURCE

**8. HEALTH HAZARD DATA**

**EYE CONTACT:**

MINIMAL IRRITATION MAY OCCUR.

**SKIN CONTACT:**

NO IRRITATION EXPECTED.

**INHALATION:**

MINIMUM IRRITATION TO RESPIRATORY TRACT MAY OCCUR AS WITH EXPOSURE TO ANY NON-TOXIC DUST.

**IF SWALLOWED:**

POSSIBLE, BUT VERY UNUSUAL. (NON-TOXIC)

**9. SUGGESTED FIRST AID**

FLUSH EYES WITH WATER FOR 15 MINUTES.

WASH WITH SOAP AND WATER.

REMOVE TO FRESH AIR IF EFFECTS OCCURS.  
CONSULT LOCAL MEDICAL PERSONNEL.

GARGLE WITH WATER. IF UNSUCCESSFUL, GET MEDICAL ATTENTION.