

MSDS #: 1202

DATE: 08/15/94

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

CHEMICAL NAME:

Calcined Alumina

TRADE NAMES/SYNONYMS:

C-5R, C-5RLS & C-55; Mineralized Aluminas

CHEMICAL FAMILY:

Aluminum Oxide

FORMULA:

Al₂O₃

MANUFACTURER:

LaRoche Industries Inc.
Post Office Box 1031
Baton Rouge, LA 70821

EMERGENCY TELEPHONE NUMBERS:

Transportation (CHEMTREC): 1-800-424-9300
Environmental/Health/Safety: 1-800-528-4963
Customer Service: 1-800-524-2586

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL	% BY WEIGHT	CAS
Aluminum Oxide (Non-Fibrous)	99.4	1344-28-1

CHEMICAL	OSHA Table Z-1	OSHA Table Z-1-A	ACGIH TLV
Aluminum Oxide (Non-Fibrous)			
Total Dust	15 mg/m ³ (TWA)	10 mg/m ³ (TWA)	10mg/m ³ (TWA)
Respirable Dust	5 mg/m ³ (TWA)	5 mg/m ³ (TWA)	None

TWA: Time Weighted Average (TWA) is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

White, odorless grains or spheres.
May cause mechanical irritation.
Nonflammable

POTENTIAL HEALTH EFFECT:**ROUTES OF ENTRY:** Eyes, Inhalation & Ingestion.**EYE CONTACT:** May cause mechanical irritation if exposed to large amounts of dust.**SKIN CONTACT:** No adverse effects expected.**INHALATION:** May cause irritation if exposure is prolonged or excessive.**INGESTION:** No adverse effects expected.**CARCINOGENICITY:** NTP? NO IARC? NO OSHA? NO

SECTION 4: FIRST AID MEASURES**EYE CONTACT:** Flush eyes with plenty of water; if irritation develops, call a physician.**SKIN CONTACT:** Normally none needed. Flush with plenty of water if irritation develops.**INHALATION:** Normally not needed; if exposed to excessive levels of dust, remove to fresh air and seek medical attention.**INGESTION:** Normally not needed; if large quantities are ingested, seek medical advice.

SECTION 5: FIRE FIGHTING MEASURES**FLASH POINT:** None**METHOD USED:** None**LOWER FLAMMABLE LIMIT:** None**UPPER FLAMMABLE LIMIT:** None**EXTINGUISHING MEDIA:** As appropriate for combustibles in area**FIRE & EXPLOSION HAZARDS:** Not a fire or explosion hazard.**NFPA HAZARD CLASSIFICATION:**

Health:	1
Flammability:	0
Reactivity:	0

SECTION 6: ACCIDENTAL RELEASE MEASURES

Shovel or sweep into a DOT-approved shipping container for salvage value or disposal, in accordance with federal, state and local laws and regulations.

For ADDITIONAL ASSISTANCE IN ANY TRANSPORTATION EMERGENCY, CALL CHEMTREC @ 1-800-424-9300.

SECTION 7: HANDLING AND STORAGE

Store in dry location because of tendency to absorb moisture.

NPCA-HMIS Rating:	Health:	<u>1</u>
	Flammability:	<u>0</u>
	Reactivity:	<u>0</u>
	Personal Protection:	<u>*</u>

*Personal protection rating supplied by user depending on actual use conditions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure guideline. Where the exposure guideline may be greatly exceeded, use a NIOSH/MSHA particulate respirator.

SKIN PROTECTION: None

EYE PROTECTION: Safety glasses with sideshields or monogoggles.

ENGINEERING CONTROLS: Control airborne concentrations below the exposure guidelines. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: None **VAPOR PRESSURE:** None

VAPOR DENSITY: None **SOLUBILITY IN WATER:** Insoluble

SPECIFIC GRAVITY: 3.6-3.9 (Water=1.0) **PERCENT VOLATILE BY VOLUME:** 0.0%

PACKAGED BULK DENSITY: 63 lb/ft³

EVAPORATION RATE: None **COMPARISON MATERIAL:** CCl₄ = 1

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Material generally considered stable.

INCOMPATIBILITY: None expected.

HAZARDOUS DECOMPOSITION PRODUCTS: None expected.

HAZARDOUS POLYMERIZATION: None expected.

ADDITIONAL DESCRIPTION: None

SECTION 11: TOXICOLOGICAL INFORMATION

Product is generally considered non-toxic.

ihl-mus TCL₀: = 357 mg/m³/6 ODI TFX: NEO
where ihl-mus: = Mouse inhalation
TCL₀: = Lowest published toxic concentration
TFX: = Toxic effect
NEO: = Neoplastic effects

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY: None
WATERFOWL TOXICITY: None
BIOCHEMICAL OXYGEN DEMAND: None
FOOD CHAIN CONCENTRATION POTENTIAL: None

SECTION 13: DISPOSAL CONSIDERATIONS

Used or unused products should be tested to determine hazard status and disposal requirements under federal, state and local laws and regulations.

SECTION 14: TRANSPORT INFORMATION

Product is not a hazardous material for regulation by DOT.

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION RULE, 20 CFR 1910.1200

Aluminum Oxide is considered a hazardous chemical.

TOXIC SUBSTANCE CONTROL ACT

This material is listed in the TSCA Inventory under its primary ingredient, aluminum oxide (CAS #1344-28-1).

EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (SARA, TITLE III)

Section 302 Extremely Hazardous Substance: None

Section 311/312 Hazardous Categories: Immediate (acute) health hazards

Section 313 Toxic Chemical: None

May cause mechanical irritation to eye if exposed to large amounts of dust.

CERCLA/SUPERFUND, 40 CFR 117,302:

This product contains no Reportable Quantity (RQ) substances.

WHMIS: One Percent (1%)

CALIFORNIA PROPOSITION 65:Reproductive: NoCarcinogen: No

SECTION 16: OTHER INFORMATION**REASON FOR REVISION:**

- ◆ Company Name Change: LaRoche Chemicals Inc. to LaRoche Industries Inc.
- ◆ Addition of Customer Service Telephone Number to Section 1.
- ◆ Minor text change in Section 2.
- ◆ Retitled Section 3.
- ◆ Revised NFPA Health Rating in Section 5.
- ◆ Added Packaged Bulk Density to Section 9.
- ◆ Added WHMIS and California Proposition 65 information to Section 15.
- ◆ Supersedes MSDS dated 9/01/92.

MSDS PREPARED BY:

LaRoche Corporate Office of Regulatory Affairs

This information is taken from sources or based upon data believed to be reliable, however, LaRoche Industries Inc. makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions.
