

PRODUCT #42055  
TUMBLING EXPEDITOR GRIT

GLOBAL MFG. CORP.  
1825 S. 68th Street  
West Allis, WI 53018

Treibacher Schleifmittel North America, Inc.  
2000 College Avenue MPO Box 1438  
Niagara Falls, NY 14302

MANUFACTURER

Material Safety Data Sheet

TSN MSDS No. 004

Page 1 of 4

SECTION I: PRODUCT IDENTIFICATION

MATERIAL NAME AND TRADE NAMES:

Alodur, Lionite, Aluminum Oxide;  
GF, GFK, A/O, ASF, ASFK  
Lionblast LB, AOF, DCF A/O, And Refractory A/O

HMIS

Health	1
Flammability	0
Reactivity	0
Personal Protection	E

DATE PREPARED: April 15, 2003 (supersedes 4/17/00)

EMERGENCY TELEPHONE NUMBER: (716) 286-1234

CHEMICAL NAME AND SYNONYMS:

Aluminum Oxide

CHEMICAL FAMILY:

Refractory Oxide

FORMULA:

NA

SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENT:	TYPICAL CAS #	OSHA %	ACGIH PEL	Listed As** TLV	Carcinogen
Aluminum Oxide	1344-28-1	96.4	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	No
Titanium Oxide	13453-67-7	2.7	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	No

\*Respirable Dust is 5 mg/m<sup>3</sup>

\*\*Listed as Carcinogen by - ACGIH, IARC, NTP, Cal. Prop. 65

SECTION III: PHYSICAL / CHEMICAL CHARACTERISTICS

MELTING POINT (°C): 2050°C  
BOILING POINT (°C): NA

SPECIFIC GRAVITY (H2O = 1): 3.95  
PERCENT VOLATILES BY VOLUME (%): NA

VAPOR PRESSURE (mmHg): Essentially 0  
EVAPORATION RATE (Butyl Acetate = 1): NA  
VAPOR DENSITY (Air = 1): NA  
SOLUBILITY IN WATER: Insoluble

ODOR: None

APPEARANCE: Light or Dark Brown

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Nonflammable  
EXTINGUISHING MEDIA: NA  
SPECIAL FIRE FIGHTING PROCEDURES: NA  
UNUSUAL FIRE AND EXPLOSION HAZARD: NA

BASIC FIRE FIGHTING PROCEDURES: This material does not give a flash point by conventional test methods. Use extinguishing agent suitable for type of surrounding fire.



SECTION IX: HANDLING AND STORAGE

HANDLING/STORAGE: Use handling procedures which will limit exposure to excessive airborne dust.

SECTION X: ENVIRONMENTAL PROCEDURES

SPILL OR RELEASE TO THE ENVIRONMENT: No special procedures are required for clean-up of spills or leaks of this material. Use normal precautions for nuisance dusts as described in SECTION VII.

WASTE DISPOSAL: Dispose of in compliance with all Federal, State, regional, and local laws and regulations. This substance, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations. This substance could become a hazardous waste if it is mixed with or comes in contact with a hazardous waste. In this case check 40 CFR 261 to determine whether it is a hazardous waste. If it is a hazardous waste, regulations at 40 CFR 262, 263, and 264 apply.

SECTION XI: TRANSPORTATION REQUIREMENTS

D.O.T. HAZARD CLASS (49 CFR 172.101): NA  
 D.O.T. PROPER SHIPPING NAME (49 CFR 172.101): NA  
 D.O.T. LABELS REQUIRED (49 CFR 172.101): NA  
 D.O.T. PLACARDS REQUIRED: NA  
 BILL OF LADING DESCRIPTION: Alumina (Brown)

SECTION XII: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Communication Standard 29 CFR 1910.1200

TSCA STATUS: On TSCA Inventory

CERCLA REPORTABLE QUANTITY: None

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether the material should be classified as a hazardous waste under 40 CFR 261.20-24.

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES:	None
SECTION 311/312 HAZARDOUS CATEGORIES	Delayed Health Hazard
SECTION 313 TOXIC CHEMICALS	None

**STATE REGULATIONS**

**California:** This product contains no levels of listed substances on the State of California Proposition 65.

**New Jersey:** This product contains no levels of chemicals listed as special hazard substances as defined in New Jersey Worker and Community Right to Know Act, New Jersey Administrative Code, Title 8, Department of Health, Chapter 59, Subchapter 10.

**Pennsylvania:** This product contains no levels of chemicals listed as special health hazard substances as defined in Pennsylvania Right-to-Know Law, Section 3800.

**INTERNATIONAL REGULATIONS****Canadian Workplace Hazardous Materials Information System (WHMIS):**

The following Canadian WHMIS categories apply to this product:

Compressed Gas: - Flammable/Combustible: - Oxidizer: - Acutely Toxic: -  
Other-Toxic Effects: X Dangerously Reactive: - Corrosive: - Biohazardous: -

**Canadian Environmental Protection Act (CEPA):**

All substances in this product are listed, as required, on the Domestic Substances List (DSL).

There are no chemicals in this product on the Non-Domestic Substances List.

**Definitions:**

<b>ACGIH:</b>	American Conference of Governmental Industrial Hygienists
<b>CAS:</b>	Chemical Abstracts Service
<b>EPA:</b>	Environmental Protection Agency
<b>HMIS:</b>	Hazardous Materials Information System
<b>mg/m<sup>3</sup>:</b>	Milligrams per cubic meter
<b>NIOSH:</b>	National Institute for Occupational Safety and Health
<b>OSHA:</b>	Occupational Safety and Health Administration
<b>PEL:</b>	Permissible Exposure Limit
<b>RCRA:</b>	Resource Conservation and Recovery Act
<b>SARA:</b>	Superfund Amendments and Reauthorization Act
<b>Title III:</b>	Emergency Planning and Community Right to Know Act
<b>Section 302:</b>	Extremely Hazardous Substances
<b>Section 311:</b>	MSDS/List of Chemicals and Hazardous Inventory
<b>Section 312:</b>	Emergency and Hazardous Inventory
<b>Section 313:</b>	Toxic Chemicals and Release Reporting
<b>TLV:</b>	Threshold Limit Value (from ACGIH)
<b>TSCA:</b>	Toxic Substances Control Act

EFFECTIVE DATE: 04/15/03  
REPLACES SHEET DATED: 04/17/00

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.