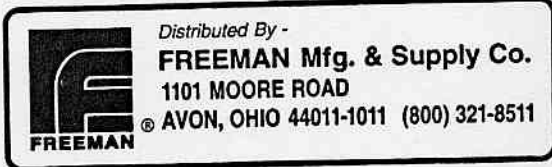


SECTION 1 - MANUFACTURER INFORMATION

MANUF/DIST : U.S. GRANULES CORPORATION
 1433 WESTERN AVE. EMERGENCY PHONE.....: 219-936-2146
 P.O. BOX 130 PREPARATION/REVISION DATE: 11/09/01
 PLYMOUTH, IN 46563
 PREPARER/CONTACT: JAMES M. FAULSTICH
 LOCATION : PLYMOUTH



TRADE NAME/SYNONYMS...: ALMEG XX
 CHEMICAL NAME/SYNONYMS: ALUMINUM GRANULES
 CHEMICAL FAMILY.....: Al
 FORMULA.....: BLENDED
 PRODUCT CODE.....: FREE192

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

 * HEALTH..... 1 *
 * FLAMMABILITY.. 0 *
 * REACTIVITY.... 1 *
 * PROTECTION.... - *

SECTION 2 - HAZARDOUS INGREDIENTS

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/Common Name	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
ALUMINUM Product Under Some Circumstances May Produce ALUMINUM FUMES	7429-90-5	>92		
TIN	7440-31-5	<1.0	2 mg/m3	5 mg/m3
COPPER (FUME)	7440-50-8	<2.5	.1 mg/m3	2 mg/m3
MAGNESIUM	1309-48-4	<2.0	15 mg/m3	.2 mg/m3
LEAD	7439-92-1	<0.1	.05mg/m3	10 mg/m3
ZINC (FUME)	1314-13-2	<6.5	5 mg/m3	.15mg/m3
SILICON	7440-21-3	<3.5	15 mg/m3	5 mg/m3
IRON	1309-37-1	<0.5	10 mg/m3	10 mg/m3
CADMIUM (FUME)	7440-43-9	<1.0	.1 mg/m3	5 mg/m3
NICKEL	7440-02-0	<0.1	1 mg/m3	.05mg/m3

The above toxic chemicals are subject to the reporting requirements of section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 (40 CFR 372).

THIS PRODUCT CONTAINS CARCINOGENS (NTP, IARC, or OSHA): NOT APPLICABLE

CHEMICAL/Common Name	CAS-NUMBER	%	NTP	IARC	OSHA
N/A	N/A				

SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute And Chronic)-

High exposure to aluminum fumes may produce irritation of eyes and respiratory system.

PRIMARY ROUTES OF ENTRY-

Respiratory-inhalation of fume.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-

Asthma and other respiratory conditions.

EMERGENCY FIRST AID PROCEDURES-

Remove from exposure, flush with water to remove particles from eyes if applicable.

SECTION 4 - CHEMICAL DATA

BOILING POINT (F)....: 4220

SPECIFIC GRAVITY (WATER=1).....: 2.70

VAPOR PRESSURE (mmHg): N/A

PERCENT VOLATILE BY VOLUME (%): N/A

VAPOR DENSITY (AIR=1): N/A

EVAPORATION RATE (Will not vaporize =1): N/A

SOLUBILITY IN WATER-

1/A

APPEARANCE AND ODOR INFORMATION-

Light grey metal, granules. No odor.

SECTION 5 - PHYSICAL HAZARD DATA

FLASH POINT (Method Used): N/A

FLAMMABLE LIMITS : Lel=N/A UEL=N/A

EXTINGUISHING MEDIA-

Contain fires with dry sand. Ring fire with sand using nonsparking implements. Allow fire to consume itself. Do not use water. Do not use halogenated extinguishing agents.

SPECIAL FIRE FIGHTING PROCEDURES-

See above

UNUSUAL FIRE AND EXPLOSION HAZARDS-

N/A

INCOMPATIBILITY (Materials To Avoid)-

Water (Heat generation including ignition may occur if product is damp or exposed to water.), Mineral Acids, Harsh Alkalis, and Halogenated Compounds.

HAZARDOUS DECOMPOSITION PRODUCTS-
Metal oxides, hydrogen

WILL HAZARDOUS POLYMERIZATION OCCUR-
Will not occur.

CONDITIONS TO AVOID FOR POLYMERIZATION-
N/A

IS THE PRODUCT STABLE-
Yes

CONDITIONS TO AVOID FOR STABILITY-
Improper storage which would allow introduction of water and/or foreign matter.

SECTION 6 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-
Clean by scooping and mild brushing. Cleaning should be done with a soft brush and pickup should be with nonspark conductive scoops. Never employ water.

WASTE DISPOSAL METHODS-
Dispose of in accordance with local, state and federal regulations. Scrap aluminum can often be reclaimed and recycled. Contact U.S. Granules Corporation.

SECTION 7 - EXPOSURE CONTROL INFORMATION

VENTILATION-
LOCAL EXHAUST: When needed
SPECIAL.....: Approved masks
MECHANICAL (General): N/A
OTHER.....: N/A

RESPIRATORY PROTECTION-
Wear MSHA/NIOSH approved air purifying respiratory equipment if fumes are encountered.

PROTECTIVE GLOVES-
Not required.

OTHER PROTECTIVE EQUIPMENT-
Safety glasses with side shields. Safety eyewash station in close proximity to work areas is recommended.

OTHER ENGINEERING CONTROLS-
N/A

WORK PRACTICES-
N/A

HYGIENIC PRACTICES-

Do not inhale or take internally.

SECTION 8 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-

Remove from sources of ignition, protect against water, separate from the storage of carbon tetrachloride, carbon disulfide, halogens, acids, and combustible materials. In packaged or containerized form product is stable.

MAINTENANCE PRECAUTIONS-

Use of nonsparking, nonstatic implements is recommended.

OTHER PRECAUTIONS-

Do not take internally.

ADDITIONAL COMMENTS-

All statements, technical information and recommendations contained herein are based on tests and data which this company believes to be currently reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under or a recommendation to practice or infringe any patent covering any process, composition of matter or use. Since the company shall have no control of the use of the product described herein, the company assumes no liability for loss or damage incurred from the proper or improper use of such product.