

TRACOR AEROSPACE INC -- PROPELLANT GRAIN 2R PELLETS BKNO3 -- 1376-01-281-1665

===== Product Identification =====

Product ID:PROPELLANT GRAIN 2R PELLETS BKNO3

MSDS Date:05/16/1989

FSC:1376

NIIN:01-281-1665

MSDS Number: BLMXG

=== Responsible Party ===

Company Name:TRACOR AEROSPACE INC

Address:HIGHLAND INDUSTRIAL PARK

Box:3297

City:EAST CAMDEN

State:AR

ZIP:71701

Country:US

Info Phone Num:501-574-1712

Emergency Phone Num:501-574-1712

CAGE:19397

=== Contractor Identification ===

Company Name:TRACOR AEROSPACE INC

Address:HIGHLAND INDUSTRIAL PARK

Box:City:EAST CAMDEN

State:AR

ZIP:71701

Country:US

Phone:501-574-1712

CAGE:19397

===== Composition/Information on Ingredients =====

Ingred Name:BORON OXIDE

CAS:1303-86-2

RTECS #:ED7900000

Fraction by Wt: 12-25%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3; 9293

Ingred Name:POTASSIUM NITRATE. DECOMP TEMP: 400 C

CAS:7757-79-1

RTECS #:T

T3700000

Fraction by Wt: 70-85%

Ingred Name: BINDERS; (POLYESTER BINDER)

Fraction by Wt: 0-8%

===== Hazards Identification =====

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation: YES Skin: NO Ingestion: YES

Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO

Health Hazards Acute and Chronic: TOXICITY- MODERATE (BORON IS AN ACCUMULATIVE POISON). COMBUSTION TOXICITY- TOXIC, AVOID INHALATION AND INGESTION.

Explanation of Carcinogenicity: NOT RELEVANT.

Effects of Overexposure: SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid: EYE: IMMEDIATELY FLUSH WITH POTABLE WATER FOR A MINIMUM OF 15 MIN. SEEK ASSISTANCE FROM MD. SKIN: FLUSH WITH COPIOUS AMOUNTS OF WATER. CALL MD. INHAL: REMOVE TO FRESH AIR. SUPPORT BREATHING. (GIVE O₂/ARTF RESP). INGEST: GET MD IMMEDIATELY.

===== Fire Fighting Measures =====

Flash Point: INGREDIENT 1

Extinguishing Media: EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT. TOXIC COMBUSTION PRODUCTS; AVOID INHALATION OR INGESTION.

Unusual Fire/Explosion Hazard: BORON: HIGH FIRE/EXPLO HAZ AS DUST OR MIXED W/OXIDIZERS. POTASSIUM NITRATE: MODERATE FIRE HAZ. CAN DECOMPOSE AT ELEVATED TEMPS AND OR FUELS.

===== Accidental Release Measures =====

Spill Release Procedures: KEEP FIRE AND/OR IGNITION SOURCES AWAY. USING PROPER PERSONAL PROTECTIVE AND HANDLING EQUIPMENT, CLEAN UP AND DISPOSE OF SPILLED MATERIAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions: KEEP AWAY FROM HIGH TEMPERATURE, FIRE AND OTHER IGNITION SOURCES.

Other Precautions: FOLLOW APPLICABLE SAFETY PRECAUTIONS AND R

REGULATIONS
FOR EXPLOSIVES.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED GENERAL VENTILATION
AND/OR RESPIRATORS IF REQUIRED.

Ventilation:USE APPROVED GENERAL VENTILATION.

Protective Gloves:NONE SPECIFIED BY MANUFACTURER.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:AS A MINIMUM, CONDUCTIVE FOOTWEAR, FLAME
RESISTANT CLOTHING.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplement

al Safety and Health

NONE SPECIFIED BY MANUFACTURER.

===== Physical/Chemical Properties =====

Spec Gravity:1.6-2

Appearance and Odor:DARK BROWN PELLETS.

Percent Volatiles by Volume:< 0.5

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:EXPOSURE TO HUMIDITY WILL RESULT IN
ABSORPTION OF WATER WHICH MAY CAUSE DEGRAGATION OF PERFORMANCE.

Hazard

ous Decomposition Products:TOXIC FUMES

===== Disposal Considerations =====

Waste Disposal Methods:BURN UNDER FEDERAL, STATE AND LOCAL APPROVED
CONDITIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for

its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.