

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

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Product Identification  
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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:501-574-171

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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

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Composition/Information on Ingredients  
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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 #:

TT3700000

Fraction by Wt: 70-85%

Ingred Name: BINDERS; (POLYESTER BINDER)

Fraction by Wt: 0-8%

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===== 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.

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===== 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 O<sub>2</sub>/ARTF RESP) . INGEST: GET MD IMMEDIATELY .

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===== 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.

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===== 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.

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

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

Other Precautions: FOLLOW APPLICABLE SAFETY PRECAUTIONS AND

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.

Supplemen

tal 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.

Hazar

dous Decomposition Products:TOXIC FUMES

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

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

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