

AEROJET STRATEGIC PROPULSION COMPANY -- BDNPA/F;BIS-(2,2-DINITROPROPYL) (SEE SUPP)  
-- 6810-01-202-4530

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

Product ID:BDNPA/F;BIS-(2,2-DINITROPROPYL) (SEE SUPP)  
MSDS Date:09/01/1986  
FSC:6810  
NIIN:01-202-4530  
MSDS Number: BLLFS  
=== Responsible Party ===  
Company Name:AEROJET STRATEGIC PROPULSION COMPANY  
Box:15699C  
City:SACRAMENTO  
State:CA  
ZIP:95852  
Country:US  
Info Phone Num:916-355-5870/4770  
Emergency Phone Num:916-355-5870/4770  
CAGE:3H248  
=== Contractor Identification ===  
Company Name:AEROJET STRATEGIC PROPULSION COMPANY  
Box:City:SACRAMENTO  
State:CA  
ZIP:95852  
Country:US  
Phone:916-355-5870/4770  
CAGE:3H248

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

Ingred Name:BIS-(2,2-DINITROPROPYL) ACETAL.SPECIFIC GRAVITY:1.366  
(WATER=1).  
CAS:5108-69-0  
Fraction by Wt: 45-55%  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:BIS-

(2,2-DINITROPROPYL) FORMAL.SPECIFIC GRAVITY:1.4107

(WATER=1).

CAS:5917-61-3

Fraction by Wt: 45-55%

Other REC Limits:N/K

OSHA PEL:N/K

ACGIH TLV:N/K

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

LD50 LC50 Mixture:LD50 RAT ORAL 2190 MG/KG.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:UNSTABILIZED PRODUCT HAS SHOWN MILD  
MUTAGEN ACTIVITY IN AMES TESTING.

Explanation of

Carcinogenicity:NONE

Effects of Overexposure:EYES:MAY CAUSE IRRITATION.SKIN:MAY CAUSE MILD  
IRRITATION.INGESTION/INHALATION:MAY CAUSE MILD IRRITATION TO MUCOUS  
MEMBRANES.

Medical Cond Aggravated by Exposure:N/K

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

First Aid:EYES:WASH WITH WATER FOR AT LEAST 15 MINUTES.REPORT TO  
MEDICAL.SKIN:WASH WITH SOAP AND WATER.INGESTION:REPORT TO  
MEDICAL.INHALATION:REMOVE TO FRESH AIR.

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

Flash Point Method:SCC

Flash Point:>240F,116C

Extinguishing Media:CARBON DIOXIDE,FOAM,OR DRY CHEMICAL.

Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS TO  
AVOID COMBUSTION PRODUCTS.

Unusual Fire/Explosion Hazard:HAZARDOUS DECOMPOSITION PRODUCTS:OXIDES  
OF CARBON AND NITROGEN.AUTOIGNITION TEMPERATURE:445F,229C.

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

Spill Release Procedures:CONTAIN WITH ABSORBENT MATERIAL AND PL

ACE IN

APPROVED CONTAINERS FOR DISPOSAL ACCORDING TO INSTRUCTIONS FROM WASTE MANAGEMENT OR OTHER APPROVED LOCAL, STATE, OR FEDERAL AGENCY.

Neutralizing Agent:N/K

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

Handling and Storage Precautions:COMBUSTIBLE LIQUID CONTAINING ENERGETIC OXYGEN-BURNS VIGOROUSLY WHEN IGNITED.AVOID ALL SKIN CONTACT.

Other Precautions:PRODUCT WAS REDUCED BY DOT FROM A FLAMMABLE LIQUID TO A NON-REGULATED MATERIAL.

===== E  
xposure Controls/Personal Protection =====

Respiratory Protection:FOR SMALL QUANTITIES,LESS THAN A GALLON IN WELL VENTILATED AREAS,NO RESPIRATOR IS REQUIRED.FOR LARGER QUANTITIES OR IN CONFINED AREAS USE ORGANIC CARTRIDGE RESPIRATOR,SUCH AS MSA,GMA OR AO R-51.

Ventilation:SMALL QUANTITIES (15C,59F

Decomp Temp:Decomp Text:N/K

Vapor Pres:SEE SUPP

Vapor Density:NIL

Spec Gravity:N/K

Solubility in Water:NEGLIGIBLE

Appearance and Odor:DEEP BROWN LIQUID.

Percent Volatiles by Vol

ume: