

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-468/4682-03-5.html> for suppliers of this product.

## Composition/Information on Ingredient

### Cas:

4682-03-5

### Code:

T

### RTECS:

### Code:

X

### Name:

DIAZODINITROPHENOL; (DIAZODINITROPHENOL DDNP) E

### Other REC Limits:

N/P

### OSHA PEL:

5 MG/M3

### Code:

M

### OSHA STEL:

N/P

### Code:

### ACGIH TLV:

5 MG/M3

### Code:

M

### ACGIH STEL:

N/P

### Code:

## Control Measures

### Respiratory Protection:

NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N). REFER TO MANUFACTURER'S "ALWAYS AND NEVERS" INSTRUCTIONS AND WARNINGS SUPPLIED WITH EACH PRODUCT.

### Ventilation:

REFER TO MFR'S "ALWAYS & NEVERS" INSTRUCTIONS & WARNINGS SUPPLIED W/EACH PRODUCT.

### Protective Gloves:

COTTON GLOVES.

### Eye Protection:

ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

### Other Protective Equipment:

Equipment EYE WASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N). REFER TO MANUFACTURER'S "ALWAYS AND NEVERS" INSTRUCTIONS AND WARNINGS SUPPLIED WITH EACH PRODUCT.

### Work Hygienic Practices:

REFER TO MANUFACTURER'S "ALWAYS AND NEVERS" INSTRUCTIONS AND WARNINGS SUPPLIED WITH EACH PRODUCT. 10

### Supplemental Safety and Health:

EFTS OF OVEREXP: SYSTEMIC/OTHER EFFECTS: ACCIDENTAL DETONATION OF EXPLOSIVE DEVICES CAN CAUSE LACERATIONS, PUNCTURES & TRAUMATIC INJURY. SEVERITY OF INJURIES IS DEPENDENT ON NUMBER & PROXIMITY OF DETONATIONS. SPILL PROC: ONLY PERS TRAINED IN EMER RESPONSE SHOULD RESPOND.

## Health Hazards Data

### LD50/LC50/Mixture:

N/P

### Route Of Entry Inds - Inhalation:

YES

### Skin:

YES

### Ingestion:

YES

### Carcinogenicity Inds - NTP:

YES

### IARC:

YES

### OSHA:

NO

### Health Hazards Acute And Chronic:

LEAD APPEARS ON NAVY LISTING OF OCCUPATIONAL CHEMICAL REPRODUCTIVE HAZARDS. SEEK CONSULTATION FROM APPROPRIATE HEALTH PROFESSIONALS CONCERNING LATEST HAZARD LIST INFORMATION & SAFE HANDLING & EXPOSURE INFORMATION (FP N). NON-ELECTRIC DETONATORS & THEIR COMPONENTS DO NOT PRESENT HEALTH HAZARDS IN NORMAL HANDLING & USE. HOWEVER, THEY ARE AN EXPLOSIVE & DETONATION MAY CAUSE SEVERE PHYSICAL INJURY, INCLUDING DEATH. NITROGEN OXIDES GENERATED DURING USE ARE SKIN, EYE AND RESPIRATORY & RESPIRA

### Explanation Of Carcinogenicity:

BARIUM CHROMATE: IARC MONOGRAPHS ON EVALUATION OF CARCINOGENIC RISK OF CHEMICALS TO MAN, VOL 49, PG 49, 1990: GROUP 1. NTP 8TH ANNUAL REPORT ON CARCINOGENS, 1998: KNOWN TO BE HUMAN CARCINOGEN. CHROMATES ARE ALSO CONSIDERED TO BE CARCINOGENIC BY OSHA. CHROMIUM COMPOUNDS ARE CLASSIFIED BY NTP AS HUMAN CARCINOGEN, & IARC AS GROUP I HUMAN CARCINOGENS.

### Signs And Symptoms Of Overexposure:

HLTH HAZ: ANIMALS FROM SHORT EXPOS TO ALUMINUM POWDER BY INHAL INCLUDE PULM EFTS. HUMAN HLTH EFTS FROM OVEREXP, INHAL, INGEST/ SKIN/EYE CNTCT MAY INITIALLY INCLUDE TEMP LUNG IRRIT EFTS W/COUGH, DISCOM FORT, DIFFICULTY BREATHING/SHORTNESS OF BREATH. CHRONIC & EXCESSIVE EXPOS MAY LEAD TO CHRONIC LUNG DISORDERS W/SYMP OF LUNG INSUFFICIENCY. INDIVIDUALS W/PREEXISTING DISEASES OF LUNGS MAY HAVE INCREASED SUSCEPTIBILITY TO TOX OF EXCESSIVE EXPOS. MEMBRANE & UPPER RESP TRACT IRRIT MAY RESULT FR

### Medical Cond Aggravated By Exposure:

N/P

### First Aid:

INHALATION: AVOID BREATHING FUMES FROM DETONATION. IF DETONATION FUMES ARE INHALED, REMOVE TO FRESH AIR. IF BREATHING SS, GIVE ARTIFICIAL RESPIRATION. SEEK MEDICAL ATTENTION. SKIN CONTACT: NOT A LIKELY ROUTE OF EXPOSURE, SEEK MEDICAL ATTENTION. EYE CONTACT: NOT A LIKELY ROUTE OF EXPOSURE, SEEK MEDICAL ATTENTION. IMMEDIATELY FLUSH WITH POTABLE WATER FOR A MINIMUM OF 15 MINUTES, SEEK ASSISTANCE F ROM MD (FP N). INGESTION: CALL MD IMMEDIATELY (FP N).

### Spill Release Procedures:

REVIEW FIRE & EXPLOSION HAZ SAFETY PREC. USE APPROP PERSONAL PROT EQUIP. CONTROL ACCESS TO AREA. IN CASE OF FIRE, EVACUATE AREA NOT LESS THAN 2500 FEET. PROTECT FROM ALL IGNIT SOURCES. IF NO FIRE DANGER IS PRESENT, REPACKAGE DEVICES IN ORGINAL PACKAGING, ACCOUNTING FOR EVERY DEVICE. FOLLOW APPLIC FED, STATE & LOCAL SPILL REPORTING REQUIREMENTS. NOTIFY AUTH I/A/W/EMERGENCY RESPONSE PROC. (SUPDAT)

### Neutralizing Agent:

N/A

### Waste Disposal Methods:

WASTE TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. CONSULT AN EXPLOSIVE MANUFACTURE FOR SAFETY/TECHNICAL CONSIDERATIONS ASSOCIATED WITH DESTROYING EXPLOSIVE MATERIALS.

### Handling And Storage Precautions:

STORAGE CONDITIONS - USA: STORE IN WELL VENT, CLEAN, DRY, APPROVED TYPE MAGAZINE. DO NOT STORE W/OTHER EXPLOSIVES.

### Other Precautions:

STORE I/A/ W/NATIONAL FIRE PROT ASSOCIATION STANDARDS & W/FED, STATE & LOCAL REGULATIONS. STORAGE INFO - CANADA: TRANSPORT & STORE ACCORDING TO CTC & EXPLOSIVES ACT. ALSO REFER TO TRANSPORT CANADA'S PUBLICATION "EMERGENCY RESPONSE GUIDE TO DANGEROUS GOODS".

## Fire and Explosion Hazard Information

### Flash Point Method:

N/A

### Flash Point:

N/A

### Flash Point Text:

N/P 9

### Autoignition Temp:

N/A

### Autoignition Temp Text:

N/P

### Lower Limits:

N/A

### Upper Limits:

N/A

### Extinguishing Media:

NONE. MEDIA SUITABLE FOR SURROUNDING FIRE (FP N).

### Fire Fighting Procedures:

USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). DO NOT FIGHT FIRE. ISOLATE AREA. EVACUATE PERSONNEL TO A SAFE AREA.

### Unusual Fire/Explosion Hazard:

CAN EXPLODE UNDER FIRE CONDITIONS. BURNING MATERIAL MAY PRODUCE TOXIC VAPORS.

## Physical/Chemical Properties

### HCC:

### NRC/State LIC No:

### Net Prop WT For Ammo:

N/A

### Boiling Point:

N/A

### B.P. Text:

N/A

### Melt/Freeze Pt:

N/P

### Decomp Temp:

N/A

### Decomp Text:

N/A

### Vapor Pres:

N/A

### Vapor Density:

N/A

### Volatile Org Content %:

N/A

### Spec Gravity:

N/A

### VOC Pounds/Liter:

N/A

### PH: N/P

### VOC Grams/Liter:

N/A

### Viscosity:

N/P

### Evaporation Rate & Reference:

N/A

### Solubility in Water:

N/A

### Appearance and Odor:

FORM: METAL CYLINDER OF VARYING LENGTHS DIAMETER OF ATTACHED PLASTIC TUBING.

### Percent Volatiles by Volume:

N/A

### Corrosion Rate:

N/P

### Conditions To Avoid Polymerization:

W/INHIBITORS

### Reactivity Data

### Stability Indicator:

YES

### Stability Condition To Avoid:

IMPACT, ESPECIALLY WHEN CONFINED IN LARGE QTYS. (OTHER INFO)

### Avoid Corrosives:

AVOID CORROSIVES. 11

### Absolute Risk of Detonation Products:

DET. RISK OF DETONATION ONLY: LEAD FUMES, CARBON MONOXIDE, WATER, NITROGEN OXIDES, VARIOUS OXIDES AND COMPLEX OXIDES OF METAL.

### Hazardous Decomposition Products:

DET. RISK OF DETONATION ONLY: LEAD FUMES, CARBON MONOXIDE, WATER, NITROGEN OXIDES, VARIOUS OXIDES AND COMPLEX OXIDES OF METAL.

### Hazardous Polymerization Indicator:

NO

### Conditions To Avoid Polymerization:

W/INHIBITORS

## Toxicological Information

### Information: N/P

## MSDS Transport Information

### Information: N/P

## Regulatory Information

### Sara Title III Information: N/P

### Federal Regulatory Information: N/P

### State Regulatory Information: N/P

## Other Information