

NATIONAL STARCH AND CHEMICAL CORP -- C-5A ANTI-SEIZE -- 8030-00-155-6444

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Product Identification  
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Product ID:C-5A ANTI-SEIZE

MSDS Date:03/27/1996

FSC:8030

NIIN:00-155-6444

MSDS Number: CFJRZ

=== Responsible Party ===

Company Name:NATIONAL STARCH AND CHEMICAL CORP

Address:10 FINDERNE AVE

City:BRIDGEWATER

State:NJ

ZIP:08807

Country:US

Preparer's Name:KATHY GRIFFITH

CAGE:85091

=== Contract

or Identification ===

Company Name:NATIONAL STARCH AND CHEMICAL CORP

Address:10 FINDERNE AVE

Box:6500

City:BRIDGEWATER

State:NJ

ZIP:08807

Country:US

Phone:908-685-5379; FAX:908685-5306

CAGE:85091

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Composition/Information on Ingredients  
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Ingred Name:GRAPHITE, NATURAL

CAS:7782-42-5

RTECS #:MD9659600

Fraction by Wt: 20.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2.5 MG/M3

ACGIH TLV:2.5 MG/M3

Ingred Name:HYDROTREATED PETROLEUM DISTILLATE

CAS:64742-52-5

RTECS #:PY8035

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Fraction by Wt: 25.0%

Other REC Limits:NONE RECOMMENDED

Ingred Name:COPPER (SARA 313) (CERCLA)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 25.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:PETROLEUM DISTILLATE

CAS:64742-18-3

RTECS #:PY8032000

Fraction by Wt: 15.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3/STEL 10

Ingred Name:SILICON DIOXIDE

CAS:14808-60-7

RTECS #:VV7330000

Fractio

n by Wt: 0.2%

Other REC Limits:0.1 MG/M3

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.1 MG/M3

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

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

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

Health Hazards Acute and Chronic:EYE: IRRITATION. SKIN:

IRRITATION/ULCERATION/PERFORATION NASAL SEPTUM. INGESTION:

TOXIC/IRRIT/NAUSEA. CHRONIC: METAL FUME FEVER/METALIC

TASTE/SKIN/HAIR DISCOLORATION.

Medical Cond Aggravated by

Exposure:PREEXISTING PULMINARY AND  
DERMATOLOGICAL DISORDERS.

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

First Aid:EYES: IMMED FLUSH W/LOTS WATER. GET MED AID. SKIN: WASH  
W/SOAP & WATER. GET MED AID. INHALATION: MOVE TO FRESH AIR. GET MED  
AID. INGEST: DON'T INDUCE VOMITING. GIVE GLASS WATER/MILK. CALL  
DR/POISON CO NTROL IMMED. NEVER GIVE ANYTHING BY MOUTH TO  
UNCONSCIOUS PERSON.

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

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lash Point Method:PMCC

Flash Point:300F,149C

Lower Limits:1.0

Upper Limits:6.0

Extinguishing Media:CO2, DRY CHEMICAL, FOAM, WATER FOG

Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE  
CLOTHING. USE WATER TO COOL FIRE-EXPOSED CONTAINERS.WATER STREAM  
MAY CAUSE FROTHING & SPREAD FLAMES.

Unusual Fire/Explosion Hazard:MAY FORM EXPLOSIVE MIXTURES W/AIR. CLOSED  
CONTAINERS MAY RUPTURE W/EXTREME HEAT & EMIT TOXIC GASES.

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

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Spill Release Procedures:RECLAIM CLEAN MATERIAL. SWEEP/SHOVEL  
CONTAMINATED MATERIAL INTO APPROPRIATE WASTE CONTAINER.

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

Handling and Storage Precautions:FOR INDUSTRIAL USE ONLY. STORE AWAY  
FROM HEAT. KEEP AWAY FROM CHILDREN.

Other Precautions:DON'T REUSE EMPTY CONTAINERS W/O COMMERCIAL  
CLEANING/RECONDITIONING.

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

Respiratory Protection:U

SE NIOSH APPROVED DUST/MIST RESPIRATOR.  
Ventilation:GENERAL VENTILATION.  
Protective Gloves:CLOTH OR SYNTHETIC  
Eye Protection:SAFETY GLASSES  
Other Protective Equipment:CLEAN CLOTHING, EYEWASH, SAFETY SHOWER.  
Work Hygienic Practices:WASH HANDS BEFORE EATING. DON'T EAT PRODUCT.  
Supplemental Safety and Health

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

Boiling Pt:B.P. Text:550 TO 4215  
Vapor Pres:NA  
Vapor Density:>AIR  
Spec Gravity:1.3017  
pH:NA  
Viscosity:HIGH  
Evaporation Rate & Reference:SLOWER THAN BUAC  
Solubility in Water:INSOLUBLE  
Appearance and Odor:COPPER COLORED PASTE, SLIGHT PETROLEUM ODOR

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

Stability Indicator/Materials to Avoid:YES  
STRONG LEWIS/MINERAL ACIDS/STRONG  
BASES/OXIDANTS/NITRATES/NITRITES/CHLORINATED HYDROCARBONS/CHLORIDES  
PALLADIUM/SELENIUM  
Stability Condition to Avoid:HEAT, MANGANESE, MAGNESIUM, POTASSIUM  
CHLORATE, SODIUM CARBONATE, SULFATES, DIVORANE.

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

Waste Disposal Methods:ACCORDING TO APPLICABLE FEDERAL/STATE/LOCAL  
REGULATIONS.

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