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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

=== Contractor Identification ===

Company Name:NATIONAL STARCH AND CHEMICAL C
ORP

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 #:PY8035000

Fraction by Wt: 25.0%

Other REC Limits:NONE RECOMMENDED

Ingr

ed 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
Fraction by Wt: 0.2%
Other REC Limits:0.1 MG/M3
OSHA PEL:0.1 MG/M3
ACGIH
TLV:0.1 MG/M3

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===== 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 =====

Flash Point Method:PMCC
Flash Point:300F,149C
Lower Limits:1.0
Upp

er 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.

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

Spill Release Procedures:RECLAIM CLEAN MATERIAL. SWEEP/SHOVEL

CONTAMINATED MATERIAL INTO APPROPRIATE WASTE CONTAINER.

===== 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.

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

Respiratory Protection:USE 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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