

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

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

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

=== Contracto

r 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

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

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 #:PY80350

00

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

Fraction

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 E

xposure:PREEXISTING PULMINARY AND
DERMATOLOGICAL DISORDERS.

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

First Aid:EYES: IMMEDIATELY FLUSH WITH LOTS OF WATER. GET MEDICAL AID. SKIN: WASH WITH SOAP & WATER. GET MEDICAL AID. INHALATION: MOVE TO FRESH AIR. GET MEDICAL AID. INGESTION: DON'T INDUCE VOMITING. GIVE GLASS OF WATER/MILK. CALL DRUG POISON CONTROL IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash 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 WITH AIR. CLOSED CONTAINERS MAY RUPTURE WITH 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 WITHOUT COMMERCIAL CLEANING/RECONDITIONING.

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

Respiratory Protection:US

E 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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document sho

uld seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.