

SPACE CHEMICAL,INC. -- AI 1080-93-2 NAVY TYPE I -- 6850-01-237-8003

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

Product ID:AI 1080-93-2 NAVY TYPE I

MSDS Date:12/18/1998

FSC:6850

NIIN:01-237-8003

Status Code:A

MSDS Number: CJHCQ

==== Responsible Party ===

Company Name:SPACE CHEMICAL,INC.

Address:30 INDIANA ROAD EXT

Box:1228

City:INDIANA

State:PA

ZIP:15701

Country:US

Info Phone Num:412-459-5001

Emergency Phon

e Num:800-535-5053/814-743-6630

CAGE:0C3Y2

==== Contractor Identification ===

Company Name:SPACE CHEMICAL INC.

Address:RD 2 BOX 187-A

Box:City:CHERRY TREE

State:PA

ZIP:15724

Country:US

Phone:814-743-6630

Contract Num:SP0450-99-M-C132

CAGE:0C3Y2

Company Name:SPACE CHEMICAL INC.

Address:RD 2 BOX 187-A

Box:City:CHERRY TREE

State:PA

ZIP:15724

Country:US

Phone:814-743-6630

Contract Num:SP0450-99-M-C711

CAGE:0C3Y2

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

Ingred Name:NONION

IC SURFACTANT

Other REC Limits:NONE RECOMMENDED

OSHA PEL:110 PPM

ACGIH TLV:110 PPM

Ingred Name:COCAMIDE DEA

CAS:68155-07-7

Code:F

Other REC Limits:NONE RECOMMENDED

OSHA PEL:220 PPM

ACGIH TLV:220 PPM

Ingred Name:AROMATIC HYDROCARBON

Ingred Name:FORMULATED INHIBITOR

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM

Ingred Name:ETHANOLAMINE

CAS:141-43-5

RTECS #:KJ5775000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:6 MG/M3;3 PPM

ACGIH TLV:7.5 MG/M3;3 PPM

ACGIH STEL:15 MG/M3;6 P

PM

Ingred Name:MORPHOLINE

CAS:110-91-8

RTECS #:QD6475000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:70 MG/M3;20 PPM

ACGIH TLV:71 MG/M3;20 PPM

Ingred Name:AROMATIC HYDROCARBON

CAS:64742-94-5

Code:F

RTECS #:WF3100000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 PPM

ACGIH TLV:10 PPM

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

Reports of Carcinogenicity:NTP:NO I

ARC:NO OSHA:NO

Health Hazards Acute and Chronic:MODERATELY IRRITATING TO EYES AND SKIN. INGESTION: MAY CAUSE VOMITING, HEADACHE AND OTHER MEDICAL PROBLEMS. INHALATION: MAY CAUSE NAUSEA AND LOSS OF MOTOR SKILLS.

Explanation of Carcinogenicity:NOT A CARCINOGEN.

Effects of Overexposure:MODERATELY IRRITATING TO EYES AND SKIN. MAY CAUSE VOMITING, HEADACHE AND OTHER MEDICAL PROBLEMS IF INGESTED. MAY CAUSE NAUSEA AND LOSS OF MOTOR SKILLS IF INHALED.

Medical Cond Aggravated by Exposure

:PRE-EXISTING SKIN DISORDERS MAY BE AGGRAVATED ON CONTACT.

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

First Aid:EYES AND SKIN- FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. INGESTED-DO NOT INDUCE VOMITING! DRINK WATER, MILK OF MAGNESIA. GET MEDICAL ATTENTION. INHALATION-MOVE TO FRESH AIR.

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

Flash Point Method:CC

Flash Point:NONE-I.B.P.

Extinguishing Me

dia:USE WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE

Fire Fighting Procedures:WEAR AN APPROVED SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING WITH FULL FACE PIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE AND FULL BODY PROTECTION.

Unusual Fire/Explosion Hazard:SEALED CONTAINER EXPOSED TO HEAT RESULTS IN VAPOR PRESSURE BUILD UP AND POSSIBLE RUPTURE. KEEP COOL WITH WATER TO PREVENT.

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

Spill Relea

se Procedures:SMALL SPILLS CAN BE FLUSHED DOWN LOCAL DRAINS.

LARGE SPILLS CAN BE ABSORBED WITH AN INERT MATERIAL SUCH AS SAND, SOIL OR CLAY.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE BETWEEN 40 AND 120 DEGREES F.

Other Precautions:CONTAINER MAY BE UNDER PRESSURE. DO NOT WELD EMPTY CONTAINER, VAPORS MAY IGNITE.

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

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Respiratory Protection:CHEMICAL CARTRIDGE RESPIRATOR.  
Ventilation:LOCAL EXHAUST  
Protective Gloves:RUBBER GLOVES.  
Eye Protection:CHEMICAL GOGGLES.  
Other Protective Equipment:DO NOT WEAR CONTACT LENSES. EYE WASH AND  
SAFETY SHOWER SHOULD BE NEARBY.  
Work Hygienic Practices:WASH HANDS BEFORE EATING. LAUNDER CONTAMINATED  
CLOTHING BEFORE REUSE.  
Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

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

HCC:B3

Boiling Pt:=104.4C, 220.F  
Melt/Freeze Pt:M.P/F.P Text:N/D  
Vapor Pres:N/D  
Vapor Density:N/D  
Spec Gravity:1.01  
pH:7.0 - 10.0  
Evaporation Rate & Reference:N/D  
Solubility in Water:100% COMPLETE  
Appearance and Odor:BROWN TINT, SOLVENT-LIKE ODOR.

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

Stability Indicator/Materials to Avoid:YES  
NONE KNOWN.  
Stability Condition to Avoid:NONE KNOWN.  
Hazardous Decomposition Products:MAY EMIT SMOKE, SOOT, AND TOXIC FUMES  
SUCH AS CARBO  
N MONOXIDE & CARBON DIOXIDE WHEN HEATED.  
Conditions to Avoid Polymerization:WILL NOT OCCUR

===== Toxicological Information =====

Toxicological Information:NONE SPECIFIED BY MANUFACTURER.

===== Ecological Information =====

Ecological:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND  
LOCAL REGULATIONS.

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===== MSDS Transport Information =====

Transport Information:NONE SPECIFIED BY MANUFACTURER.

===== Regulatory Information =====

SARA Title III Information:NONE SPECIFIED BY MANUFACTURER.

Federal Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

State Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

===== Other Information =====

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