

SPACE CHEMICAL, INC -- AI-1080-93-2 NAVY TYPE I -- 6850-01-237-8004

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

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

MSDS Date:05/29/1990

FSC:6850

NIIN:01-237-8004

MSDS Number: CDKQQ

=== Responsible Party ===

Company Name:SPACE CHEMICAL, INC

Box:1228

City:INDIANA

State:PA

ZIP:15701

Country:US

Info Phone Num:814-743-6630

Emergency Phone Num:800-535-5053

CAGE:MO832

=== Contrac

tor 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

CAGE:0C3Y2

Company Name:SPACE CHEMICAL, INC.

Box:1228

City:INDIANA

State:PA

ZIP:15701

Country:US

Phone:814-743-6630

CAGE:MO832

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

Ingred Name:NONIONIC SURFACTANT

Other REC Limits:NONE RECOMMENDED

Ingred Name:COCAMIDE OR AMIDES, C\*3-C\*18 AND C\*18-UNSATURATED,  
BIS(HYDROXYETHYL)

C

AS:68155-07-7

Other REC Limits:NONE RECOMMENDED

Ingred Name:AROMATIC HYDROCARBON

Other REC Limits:NONE RECOMMENDED

Ingred Name:FOMULATED INHIBITOR

Other REC Limits:NONE RECOMMENDED

Ingred Name:ETHANOLAMINE

CAS:141-43-5

RTECS #:KJ5775000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:3 PPM

ACGIH TLV:3 PPM/6 STEL; 9596

Ingred Name:MORPHOLINE

CAS:110-91-8

RTECS #:QD6475000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S, 20 PPM

ACGIH TLV:S, 20 PPM; 9596

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===== Hazards Identification  
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:MODERATELY IRRITATING TO SKIN AND

EYES. MAY CAUSE VOMITING, HEADACHE & OTHER MEDICAL PROBLEMS IF  
INGESTED. INHALATION MAY CAUSE NAUSEA & LOSS OF MOTOR SKILLS.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS  
LISTED BY IARC,NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:SKIN-IRRITATION. EYES-IRRITATION.  
INHALED-NAUSEA, LOSS OF MOTOR SKILLS. INGESTED-VOMITING, HEADACHE,

OTHER MEDICAL PROBLEMS.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE  
AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR  
15 MINUTES. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP &  
WATER

ER. INHALED-REMOVE TO FRESH AIR. INGESTED-DO NOT INDUCE VOMITING! IF CONSCIOUS, DRINK WATER, MILK OF MAGNESIA.

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

Flash Point Method:CC

Flash Point:NONE

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unu

sual Fire/Explosion Hazard:SEALED CONTAINER EXPOSED TO HEAT RESULTS IN PRESSURE BUILD-UP AND POSSIBLE RUPTURE.

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

Spill Release Procedures:SMALL SPILL: FLUSH DOWN DRAIN. LARGE SPILL: ABSORB WITH INERT MATERIAL & PLACE IN A CONTAINER FOR DISPSOAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE BETWEEN 40 & 120F.

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

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR DECISION LOGIC-PUBLICATION NUMBER 87.108.

Ventilation:PROVIDE SUFFICIENT LOCAL EXHAUST VENTILATION TO CONTROL

INHALATION EXPOSURES BELOW OSHA'S PEL.

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES/GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:220F,

104C

Spec Gravity:1.01

pH:7 - 10

Evaporation Rate & Reference:N/K (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:BROWN TINT LIQUID; 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 CARBON MONOXIDE AND CARBON DIOXIDE WHEN HEATED.

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

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

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