

NCH DYNA SYSTEMS DIV -- 5014 BC-117 AEROSOL -- 6830-00F054439

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

Product ID:5014 BC-117 AEROSOL  
MSDS Date:02/21/1994  
FSC:6830  
NIIN:00F054439  
MSDS Number: CFVLY  
=== Responsible Party ===  
Company Name:NCH DYNA SYSTEMS DIV  
Address:2727 CHEMSEARCH BLVD  
Box:655326  
City:DALLAS  
State:TX  
ZIP:75265-5326  
Country:US  
Info Phone Num:800-336-0450/214-438-1381  
Emergency Phone Num:214-438-1381/800-336-0450  
Preparer's Name:L DEYOUNG  
CAGE:0PH16

=== Contractor Identification ===

Company Name:NCH DYNA SYSTEMS DIV  
Address:2727 CHEMSEARCH BLVD  
Box:City:DALLAS  
State:TX  
ZIP:75265-5326  
Country:US  
Phone:800-336-0450/214-438-1381  
CAGE:0PH16

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

Ingred Name:MEDIUM ALIPHATIC NAPHTHA (AROMATIC 100), PARAFFIN-NAPTHANES  
MINERAL SPIRITS \*97-2\*  
CAS:64742-88-7  
Other REC Limits:100 PPM  
OSHA PEL:500 PPM  
ACGIH TLV:100 PPM

Ingred Name:ISOPROPANOL (ISOPROPYL ALCOHOL), 2-PROPANOL, DIMETHYL  
CARBINOL (IARC-GROUP 3) \*97-2\*  
CAS:67-63-0  
RTECS #:NT8050000  
Other REC Limits:400 PPM  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM

Ingred Name:MORPHOLINE (IARC CARCINOGEN - GROUP 3) \*97-2\*  
CAS:110-91-8  
RTECS #:QD6475000  
Other REC Limits:20 PPM  
OSHA PEL:70 MG/CUM (SKIN)  
ACGIH TLV:71 MG/CUM (SKIN) IC

Ingred Name:ISOBUTANE, 2-METHYLPROPANE

CAS:75-28-5  
RTECS #:TZ4300000  
Other REC Limits:1000 PPM  
OSHA PEL:1800 MG/CUM  
ACGIH TLV:1000 PPM

Ingred Name:PROPANE (DIMETHYLMETHANE) \*97-2\*  
CAS:74-98-6  
RTECS #:TX2275000  
Other REC Limits:1800 MG/CUM  
OSHA PEL:1000 PPM  
ACGIH TLV:SIMPLE ASPHYXIAANT

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: MAY LEAD TO CNS  
DEPRESSION. EYES: CAUSES EYE IRRITATION. SKIN: CAUSES DEFATTING  
WHICH CAN LEAD TO IRRITATION. INGESTION: ASPIRATION MAY CAUSE  
CHEMICAL PNEUMONITIS & MAY LEAD TO DEATH. MASS IVE INGESTION MAY  
CAUSE LIVER & KIDNEY DAMAGE.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, NAUSEA,  
UNCONSCIOUSNESS, DEFATTING

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

First Aid:INHALATION: REMOVE TO FRESH AIR. EYES: RINSE W/WATER. REMOVE  
ANY CONTACT LENSES. FLUSH W/WATER FOR 15 MINS. SKIN: WASH W/PLENTY  
OF SOAP & WATER FOR SEVERAL MINS. INGESTION: GIVE 4 GLASSES OF  
WATER. DO N'T INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS  
AGAIN. OBTAIN MEDICAL ATTENTION IN ALL CASES. (SUPP)

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

Flash Point Method:COC  
Flash Point:110F  
Extinguishing Media:FOAM, CO2, DRY CHEMICAL, WATER SPRAY  
Fire Fighting Procedures:EVACUATE ALL UNPROTECTED PERSONNEL. WEAR  
PROPER PROTECTIVE EQUIPMENT INCLUDING SCBA. COOL FIRE EXPOSED  
CONTAINERS W/WATER.  
Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR & MAY  
ACCUMULATE IN LOW/INADEQUATELY VENTILATED AREAS. VAPORS MAY ALSO  
TRAVEL ALONG THE GROUND & IGNITE AT DISTANT LOCATIONS.

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. TAKE UP  
W/ABSORBENT & PLACE IN LABELED CONTAINER FOR DISPOSAL. DON'T FLUSH  
TO SEWER. USE CAUTION AS SPILLS WILL BE SLIPPERY.

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

Handling and Storage Precautions:STORE AT MODERATE TEMPS IN A CLOSED  
CONTAINER. WASH THOROUGHLY AFTER HANDLING. KEEP TEMPS BETWEEN  
32-120F.

Other Precautions:KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:WEAR NIOSH APPROVED RESPIRATOR WHEN EXPOSURE EXCEEDS LIMITS.

Ventilation:GENERAL EXHAUST

Protective Gloves:POLY VINYL ACETATE/EQUIVALENT

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NOTES TO PHYSICIAN: VOMITING MAY LEAD TO ASPIRATION INTO THE LUNGS WHICH MAY CAUSE DAMAGE & COULD BE FATAL.

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

Boiling Pt:B.P. Text:320F

Vapor Pres:1

Vapor Density:6

Spec Gravity:0.87

pH:9

Evaporation Rate & Reference:(BU AC=1): 0.08

Solubility in Water:NEGLIGIBLE

Appearance and Odor:TRANSPARENT TAN W/SOLVENT ODOR

Percent Volatiles by Volume:50

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:OPEN FLAME

Hazardous Decomposition Products:CO & OXIDES OF NITROGEN

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

Waste Disposal Methods:DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

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