

CUST452

HILLSBORO ELEMENTARY SCHOOLS

MATERIAL SAFETY DATA SHEET

CM 0123

215 E. 5th Ave.
HILLSBORO, OR 97123

MATERIAL SAFETY DATA SHEET

WIPE OUT

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70888

DATE OF ISSUE

08/08/82

SUPERSEDES

01/08/82

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS N/A	TRADE NAME & SYNONYMS WIPE OUT
CHEMICAL FAMILY SOLVENT MIXTURE	FORMULA Xc--MIXTURE
MANUFACTURER'S NAME: NATIONAL CHEMSEARCH DIV. OF NCM CORP.	
ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE) BOX 182170 IRVING, TEXAS 75010	
PREPARED BY: G ZIMMERMAN/CHEMIST	PRODUCT CODE NUMBER 0888
EMERGENCY TELEPHONE NUMBER 214-488-1081	

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS.

CHEMICAL NAME (INGREDIENTS)	HAZARD	TLV	PEL	CAS#
ETHYLENE GLYCOL				
METHOXYETHYL ETHER	IRRITANT	25 PPM. 1. 20 PPM. 2.	111-78-2	
1-METHOXY-2-PROPANOL				
ACETATE	IRRITANT	N/E 1. N/E 2.	109-65-6	
DIPENTENE	IRRITANT	N/E 1. N/E 2.	182-26-3	
DIMETHYL GLUTERATE	IRRITANT	N/E 1. N/E 2.	1118-40-0	
COCODAMIDE	IRRITANT	N/E 1. N/E 2.	81780-93-4	
MONGETHANOLAMINE	IRRITANT	3PPM 1. 3PPM 2.	141-43-6	

WIPE OUT

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SECTION II - HAZARDOUS INGREDIENTS

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POTASSIUM HYDROXIDE	CORROSIV 250/M3 1. 250/M3 2.	1810-82-3
PETROLEUM NAPHTHA	COMBUST. 800PPM 1. 800PPM 2.	64742-94-3

SECTION III - PHYSICAL DATA

BOILING PT. (FAHRENHEIT)	220 F	SPEC GRAVITY (M20=1)	0.948
VAPOR PRESSURE (MM HG)	40.1	COLOR	AMBER
VAPOR DENSITY (AIR=1)	GREATER	SDOR	ETHERAL
PH @ 100X	N/A	CLARITY	TRANSPARENT
PERCENT VOLATILE BY VOLUME (%)	100	EVAPORATION RATE (BU AC = 1)	0.1
SOLUBILITY IN WATER	APPRECIABLE		
VISCOSITY	NON-VISCOUS		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED)	112F TCC	FLAMMABLE LIMITS	LEL	UEL
EXTINGUISHING MEDIA	"ALCOHOL"	% VOLUME BY VOLUME IN AIR	N/A	N/A
Xc--FOAM	Xc--CO2	Xc--CHEMICAL	Xc--WATER	Xc--OTHER

SPECIAL FIRE FIGHTING PROCEDURES

AS WITH ALL FIRES, WEAR APPROPRIATE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE & EXPLOSION HAZARDS
HEAT FROM FIRE MAY GENERATE FLAMMABLE VAPOR. VAPORS MAY BURN IF CONFINED.
VAPOR MAY TRAVEL ALONG GROUND BEFORE IGNITING/FLASHING BACK TO IGNITION SOURCE. FINE MISTS MAY BE COMBUSTIBLE AT TEMPERATURES BELOW FLASH POINT.NFPA HAZARD RATING (0=INSIGNIFICANT; 1=SLIGHT; 2=Moderate; 3=HIGH; 4=EXTREME):
2--HEALTH 2--FLAMMABILITY 1--REACTIVITY 2--SPECIAL

THRESHOLD LIMIT VALUE :

NOT ESTABLISHED FOR THE MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE

EYES: WILL CAUSE EYE IRRITATION AND POSSIBLE BURNS LEADING TO PERMANENT DAMAGE SKIN: CAUSES SKIN IRRITATION AND DEBATING OF THE SKIN
INHALATION: VAPORS ARE IRRITATING. INHALATION OF MIXT EXTREMELY IRRITATING WITH POSSIBLE PERMANENT DAMAGE TO LUNGS.
INGESTION: WILL CAUSE NAUSEA, VOMITING, AND POSSIBLE LOSS OF CONSCIOUSNESS IF LARGE QUANTITIES HAVE BEEN INGESTED. EVEN MINUTE QUANTITIES ASPIRATED INTO THE LUNGS VIA INGESTION AND VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN CAUSE LUNG DAMAGE AND MAY BE FATAL IN SEVERE INSTANCES.
CHRONIC EYE CONTACT CAN LEAD TO PERMANENT DAMAGE
PROLONGED SKIN CONTACT MAY CAUSE BURNS TO THE SKIN.
PROLONGED SKIN ABSORPTION CAN CAUSE GENERAL NERVOUS SYSTEM DEPRESSION.
REPEATED PROLONGED AND EXCESSIVE EXPOSURE MAY RESULT IN KIDNEY EFFECTS AS WELL AS AFFECTING BLOOD FORMING ORGANS.
THIS INFORMATION IS BASED ON THE KNOWN EFFECTS OF GLYCOL
ETHERS COMPOUNDS WHICH ARE THE MAJOR COMPONENT OF THIS MIXTURE.

PRIMARY ROUTE OF ENTRY: X<- INHALATION <- INGESTION X<- ABSORPTION

EMERGENCY & FIRST AID PROCEDURES

GET TO FRESH AIR AND TREAT SYMPTOMATICALLY. GIVE ARTIFICIAL RESPIRATION IF NEEDED.

EYE CONTACT:
FLUSH EYES WITH WATER FOR 15 MINUTES. HOLDING EYELIDS OPEN
OCCASIONALLY FOR MAXIMUM BENEFIT. SEE A PHYSICIAN AT ONCE.
TREATMENT IS MOST EFFECTIVE WITHIN THE FIRST MINUTE.

SKIN CONTACT:
REMOVE CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY WITH SOAP AND WATER. APPLY AN EMOLIENT SKIN CREAM IF IRRITATION OCCURS. SEE A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION:
IF LARGE QUANTITY IS SWALLOWED, GIVE Lukewarm WATER IF VICTIM IS COMPLETELY UNCONSCIOUS. DO NOT INDUCE VOMITING. RISK OF LUNG DAMAGE EXCEEDS RISK OF POISONING. SEEK IMMEDIATE MEDICAL ATTENTION.

NOTES TO PHYSICIAN:
ETHYLENE GLYCOL MONOBUTYL ETHER; ORGANIC ABNORMALITIES IN MAN RESULTING FROM OVEREXPOSURE BY ANY ROUTE WOULD BE ABNORMAL BLOOD PICTURE CHANGES CHARACTERIZED BY ERYTHROPENIA, RETICULOCYTOSIS, GRANULOCYTOSIS AND LEUKOCYTOSIS. CONTINUED ON SECTION XIII- REFERENCES

SECTION VI - TOXICITY INFORMATION

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SECTION VI - TOXICITY INFORMATION

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PRODUCT CONTAINS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:

LC50	<-YES NTP	<-YES OSHA	<-YES ACSH	<-YES OTHER	<-YES
X<-NO	X<-NO	X<-NO	X<-NO	X<-NO	X<-NO
ETHYLENE GLYCOL MONOBUTYL ETHER					
ORL RAT LD50 400 MG/KG 3.					
IMM RAT LC50 500 PPM/AIR 3.					
1 METHYL 2-BRHPANOL ACETATE					
IMM MMN TCLO 27 GM/MS					
ORL MMN TCLO 670 MG/KG 0.					
DIPENTENE					
ORL RAT LD50 5000 MG/KG 3.					
SKN RAT LD50 500 MG 24 HR MOD 3.					
DIMETHYL GLUTERATE					
ORL RAT LD50 2100 MG/KG 3.					
SKN RAT LD50 2280 MG/KG 3.					
COCOAEMUL					
NO EXPOSURE ANIMAL STUDIES FOUND					
MONOETHANOLAMINE					
ORL RAT LD50 2140 MG/KG 3.					
SKN RAT LD50 1000 MG/KG 3.					
POTASSIUM HYDROXIDE					
SKN MMN 50MG/KG SEV 3					
ORL RAT LD50 388MG/KG 3.					
PETROLEUM NAPHTHA					
ORL RAT LD50 >8 G/KG 4.					

SECTION VII - REACTIVITY DATA

STABILITY	X<-STABLE	<-UNSTABLE	CONDITIONS TO AVOID
			HEAT, SPARKS, OPEN FLAME. STRONG OXIDIZING CONDITIONS.

INCOMPATIBILITY (MATERIALS TO AVOID)
EXTREME OXIDIZING AGENTS. EXTENDED EXPOSURE TO AIR OR OXYGEN.

HAZARDOUS DECOMPOSITION PRODUCTS
OXIDES OF CARBON AND NITROGEN, ACID SMOKE

HAZARDOUS	WILL NOT	MAY	CONDITIONS TO AVOID
	<-OCCUR	<-OCCUR	
POLYMERIZATION	N/A		

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
DO NOT SMOKE. REMOVE OR TURN OFF ANY IGNITION SOURCES. ABSORB SMALL SPILLS WITH A RAG. FOR LARGE SPILLS, PREVENT FROM GETTING INTO SEWER WITH A DIKE OF SAND OR OTHER INERT ADSORBENT MATERIAL. ABSORB SPILL WITH AN INERT ADSORBENT AND PLACE IN A SOLVENT RESISTANT DRUM FOR PROPER DISPOSAL.

3. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 7TH EDITION, M. IRVING
SAX AND RICHARD J. LEVINE, SR.

4. VENDOR'S MSDS.

CONTINUED FROM SECTION V.

SYSTEMIC: RAT STUDIES SUGGEST THE KIDNEY MAY BE THE TARGET ORGAN WITH
OVEREXPOSURE. HUMAN EFFECTS NOT ESTABLISHED. NO SPECIFIC
ANTIDOTE. TREATMENT BASED ON THE SOUND JUDGMENT OF THE
PHYSICIAN AND THE INDIVIDUAL REACTIONS OF THE PATIENT.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED
ACCURATE IN LIGHT OF CURRENT FORMULATION. HOWEVER, NO WARRANTY
IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA
OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

NATIONAL CHEMSEARCH DIV. OF NCH CORP. ASSUMES NO RESPONSIBILITY
FOR PERSONAL INJURY OR PROPERTY DAMAGE CAUSED BY THE USE, STORAGE
OR DISPOSAL OF THE PRODUCT IN A MANNER NOT RECOMMENDED ON THE
PRODUCT LABEL. USERS ASSUME ALL RISKS ASSOCIATED WITH SUCH
UNRECOMMENDED USE, STORAGE, OR DISPOSAL OF THE PRODUCT.

WASTE DISPOSAL METHOD
DISPOSE OF IN ACCORDANCE WITH ALL STATE, FEDERAL AND LOCAL REGULATIONS.
NEUTRALIZING AGENT

N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION
USE ONLY IN AREAS WITH GOOD VENTILATION. IF USE IN SMALL POORLY VENTILATED
AREA OR PANS TO PROVIDE FRESH AIR OR WEAR A NIOSH APPROVED RESPIRATOR
DESIGNED FOR ORGANIC SOLVENT VAPORS.

RESPIRATORY PROTECTION
NONE NORMALLY NEEDED. NIOSH APPROVED ORGANIC SOLVENT RATED RESPIRATOR
IN ABSENCE OF GOOD VENTILATION.

PROTECTIVE GLOVES
IMPERVIOUS GLOVES SUCH AS POLYVINYL ALCOHOL SHOULD
BE WORN.

EYE PROTECTION
CHEMICAL GOGGLES OR FACE SHIELD SHOULD BE WORN.

OTHER PROTECTION
APRON

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE
100 F <--MAX N/A <--MIN INDOOR HEATED REFRIGERATED OUTDOOR

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
STORE IN TIGHTLY CLOSED PROPERLY VENTED CONTAINER
AWAY FROM HEAT AND SPARKS. HANDLE EMPTY CONTAINER
CAREFULLY AS RESIDUE MAY BE COMBUSTIBLE/FLAMMABLE.
KEEP AWAY FROM CHILDREN.

OTHER PRECAUTIONS
N/A

SECTION XI - REGULATORY INFORMATION

Wipe Out

(CONTINUED) SECTION XI - REGULATORY INFORMATION PAGE : 06

CHEMICAL NAME C.A.S. NUMBER UPPER % LIMIT
ETHYLENE GLYCOL MONOBUTYL ETHER 111-78-2 40

THOSE INGREDIENTS LISTED ABOVE ARE SUBJECT TO THE REPORTING REQUIREMENTS OF
312 OF TITLE VII OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF
1980 AND 40 CFR PART 372.

IF USE (USE EXEMPTION) APPEARS UNDER UPPER % LIMIT, END USERS ARE EXEMPT
FROM NOTIFICATION BECAUSE THE PRODUCT IS USED AND LABELED FOR ROUTINE
MAINTENANCE (SUCH AS FERTILIZERS AND HERBICIDES), OR THE PRODUCT IS USED AND
LABELED FOR MAINTAINING MOTOR VEHICLES.

CALIFORNIA PROPOSITION 65
WARNING: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE (1) CANCER OR (2) BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM:
NONE

SECTION XII - TRANSPORTATION * (FOR FUTURE USE)

APPLICABLE REGULATIONS
49 CFR 171.15 INCO TARIFF 8 D IATA MILITARY AIR (AFR 71-4)
SHIPPING NAME

HAZARD CLASS ID NUMBER REPORT QTY

LABELS LIMITED QTY

UNIT CONTAINER

DOT 3PS CONTAINER NET EXPLOSIVE WT.

AEROSOL PROPPELLANT(S)

SECTION XIII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND
TOXICOLOGICAL EXPOSURE INDICES. ACGIH, 1981-1982.
2. OSHA PEL.