

(076501-0114! -WO081688-1650)

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SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS N/A	TRADE NAME & SYNONYMS CERTIFEN III
CHEMICAL FAMILY BROMACIL/PETROLEUM DISTILLATE MIXTURE	FORMULA X<--MIXTURE
MANUFACTURERS NAME: CERTIFIED LABS, DIV. OF NCH CORP.	
ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE) BOX 152170 IRVING, TEXAS 75015	
PREPARED BY: R STOLLEY/CHEMIST	PRODUCT CODE NUMBER 1650
	EMERGENCY TELEPHONE NUMBER 214-438-1381

SECTION II- HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS.

CHEMICAL NAME (INGREDIENTS) : PETROLEUM DISTILLATE	HAZARD-->COMB/IRR. STEL(TWA)* ->10 MG/M3	TLV--->5 MG/M3 1 CAS#-->64742-94-5	PEL-->5 MG/M3 2
CHEMICAL NAME (INGREDIENTS) : (BROMACIL) 5-BROMO-3-SEC-BUTYL-6-METHYLRACIL	HAZARD---->IRRITANT STEL(TWA)* ->NOT EST.	TLV--->10 MG/M3 1 CAS#-->314-40-9	PEL-->10 MG/M3 2
CHEMICAL NAME (INGREDIENTS) : HEXYLENE GLYCOL	HAZARD---->IRRITANT STEL(TWA)* ->NOT EST.	TLV--->25PPM(C) 1 CAS#-->107-41-5	PEL-->25PPM(C) 2
CHEMICAL NAME (INGREDIENTS) : NAPHTHALENE	HAZARD---->COMB. STEL(TWA)* ->15 MG/M3	TLV--->10 PPM 1 CAS#-->91-20-3	PEL-->10 PPM 2

CERTIFEN III

(CONTINUED)

SECTION II- HAZARDOUS INGREDIENTS

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SECTION III - PHYSICAL DATA

BOILING PT. (FAHRENHEIT)	360	SPEC GRAVITY (H2O=1)	:1.08
VAPOR PRESSURE (MM HG)	3	COLOR	AMBER
VAPOR DENSITY (AIR=1)	>1	ODOR	NAPHTHA
PH @ 100%	N/A	CLARITY	TRANSPARENT
PERCENT VOLATILE BY VOLUME (%)	88	EVAPORATION RATE (BU AC = 1)	<.01
SOLUBILITY IN WATER	EMULSIFIABLE		
VISCOSITY	NON-VISCOUS		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED) 150 F. T.C.C.	FLAMMABLE LIMITS FOR PETROLEUM DISTILLATE	LEL 1.8%	UEL 11.7%
EXTINGUISHING MEDIA X<--FOAM	"ALCOHOL" X<--FOAM	DRY X<--CO2	WATER X<--CHEMICAL
			<--SPRAY
			<--OTHER

SPECIAL FIRE FIGHTING PROCEDURES
USE WATER IN FINE SPRAY TO COOL UNBROKEN CONTAINERS TO PREVENT BURSTING FROM EXCESSIVE PRESSURE. SELF-CONTAINED BREATHING APPARATUS AND RUBBER PROTECTIVE CLOTHING SHOULD BE WORN WHEN FIGHTING CHEMICAL FIRES.

UNUSUAL FIRE & EXPLOSION HAZARDS
FIRE FIGHTING SHOULD BE DONE FROM UPWIND TO MINIMIZE POSSIBILITY OF EXPOSURE TO PESTICIDE, SMOKE AND FUMES. EVACUATE PEOPLE DOWNWIND AS APPROPRIATE.

NFPA HAZARD RATING (0=INSIGNIFICANT;1=SLIGHT;2=MODERATE;3=HIGH;4=EXTREME):
3 <--HEALTH 2 <--FLAMMABILITY 0 <--REACTIVITY <--SPECIAL

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE :

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE

- ACUTE - (SHORT TERM EXPOSURE)
<>EYES: CAUSES IRRITATION. MAY CAUSE SEVERE DISCOMFORT OR PAIN WITH TEARING, REDNESS AND POSSIBLE CORNEAL INJURY.<>
-SKIN: MAY CAUSE IRRITATION AND DERMATITIS.
INHALATION: HIGH CONCENTRATIONS ARE IRRITATING TO THE RESPIRATORY TRACT AND MAY CAUSE HEADACHES, DIZZINESS, ANESTHETIC EFFECTS, BRONCHITIS, EUPHORIA, BURNING SENSATION IN THE CHEST AND POSSIBLY PNEUMONITIS.
^INGESTION: MAY CAUSE NAUSEA, VOMITING, DIARRHEA, ABDOMINAL PAIN, DIZZINESS AND LOSS OF CONSCIOUSNESS.
ASPIRATION INTO THE LUNGS DURING INGESTION OR VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.^

- CHRONIC - (LONG TERM EXPOSURE)
MAY CAUSE SKIN SENSITIZATION IN SOME SENSITIVE INDIVIDUALS, OR AGGRAVATE EXISTING DERMATITIS. LONG TERM INHALATION MAY CAUSE HEADACHE, NAUSEA, CENTRAL NERVOUS SYSTEM DEPRESSION. SYMPTOMS MAY PERSIST IN RARE CASES.
@TARGET ORGANS: CENTRAL NERVOUS SYSTEM.@

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

EMERGENCY & FIRST AID PROCEDURES

INHALATION :
REMOVE FROM THE AREA TO FRESH AIR. IF NOT BREATHING, CLEAR THE AIRWAY AND START MOUTH TO MOUTH ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

EYE CONTACT:
IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

SKIN CONTACT:
IMMEDIATELY REMOVE CONTAMINATED CLOTHING AND SHOES. WASH AFFECTED AREAS THOROUGHLY WITH LARGE AMOUNTS OF SOAP AND WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. DISCARD OR CLEAN CLOTHING AND SHOES.

INGESTION
GIVE 3-4 GLASSES OF WATER BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONCIOUS OR CONVULSING PERSON.

NOTES TO PHYSICIAN :
ASPIRATION HAZARD OF THE SOLVENT MAY CONTRAINDICATE INDUCED VOMITING. IN THE PRESENCE OF A PHYSICIAN, CAUTIOUS GASTRIC LAVAGE WITH WATER AND A SALINE CATHARTIC MAY BE INDICATED.

SECTION VI - TOXICITY INFORMATION

PRODUCT CONTAINS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:

IARC	<--YES	NTP	<--YES	OSHA	<--YES	ACGIH	<--YES	OTHER	<--YES
X<--NO		X<--NO		X<--NO		X<--NO		X<--NO	X<--NO
5-BROMO-3-SEC-BUTYL-6-METHYLURACIL									
ORL-RAT LD50: 641 MG/KG									3.
IHL-RAT LC50: >4800 MG/M3									3.
SKN-RAT LD50: >2500 MG/KG									3.
SKN-RBT LD50: 5 G/KG									3.
HEXYLENE GLYCOL									
ORL-RAT LD50: 3700 MG/KG									3.
IPR-RAT LDLO: 1500 MG/KG									3.
EYE-RBT: 93 MG SEV									3.
SKN-RBT 500 MG/24H MOD									3.
SKN-RBT LD50: 8560 MG/KG									3.
NAPHTHALENE									
ORL-RAT LD50: 1250 MG/KG									3.
ORL-MUS LD50: 533 MG/KG									3.
IPR-MUS LD50: 150 MG/KG									3.

SECTION VII - REACTIVITY DATA

STABILITY | X<--STABLE | <--UNSTAB | CONDITIONS TO AVOID
KEEP FROM FREEZING.
KEEP AWAY FROM HEAT AND OPEN FLAMES.

INCOMPATIBILITY (MATERIALS TO AVOID)
ACIDS, OXIDIZERS AND ALKALINE MATERIALS.

HAZARDOUS DECOMPOSITION PRODUCTS
HYDROGEN CHLORIDE, CHLORINE, CHLORINATED HYDROCARBONS AND OXIDES OF CARBON AND SULFUR.

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

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
WEAR PROTECTIVE EQUIPMENT. CONFINE SPILL BY DIKING WITH SAND, SOIL OR OTHER SUITABLE MATERIALS. USE ABSORBANT MATERIAL TO SOAK UP SPILL. THEN PLACE CONTAMINATED MATERIAL IN LEAKPROOF CONTAINER FOR DISPOSAL. DECONTAMINATE SURFACE WITH DETERGENT AND WATER. PICK UP WATER AND COMBINE WITH WASTE. KEEP OUT OF BODIES OF WATER AND SEWER.