

SECTION X - HMIS RATINGS

HMIS RATINGS - HEALTH: 3 FLAMMABILITY: 0 REACTIVITY : 0

SECTION XI - OTHER REGULATIONS

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

-----CHEMICAL NAME-----	CAS NUMBER	WT/ WT	% IS LESS THAN
ALIPHATIC POLYISOCYANATE	N/A		90.0%

PREVIOUS MSDS REVISION DATE: 01/ 30 / 04

LEGEND: N. A. - Not Applicable, N. E. - Not Established,
N. D. - Not Determined

The information contained on this MSDS is to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damage incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

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MATERIAL SAFETY DATA SHEET

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : CHEM LOCK PART B
IDENTIFICATION NUMBER : M7307B DATE PRINTED: 03/12/04
PRODUCT USE/ CLASS :

SUPPLIER: MANUFACTURER:
FAR FROM NORMAL T. J. RONAN PAINT CORPORATION
1318 39TH ST. NW 749 EAST 135TH ST.
FARGO, ND 58102 BRONX, NY 10454

CHEMTREC: (800) 424- 9300 CHEMTREC : (800) 424-9300
24 HOUR EMERGENCY HOTLINE 24 HOUR EMERGENCY HOTLINE

PREPARER: JD, PHONE : 718-292-1100, PREPARE DATE: 01/30/04

SECTION II - COMPOSITION/ INFORMATION ON INGREDIENTS

-----CHEMICAL NAME-----	CAS NUMBER	IS LESS THAN	WT. PERCENT -----		OCCUPATIONAL EXPOSURE LIMITS -----		
			TLV- TWA	TLV- STEL	PEL- TWA	PEL- CEILING	SKIN
ALIPHATIC POLYISOCYANATE	N/A	90.0 %	.005 mg / M ³	1.0 mg / M ³			YES
METHOXY- ETHYL ESTER	763-69-9	15.0 %	NO INFO	NO INFO			NO

(SEE SECTION 11 FOR ABBREVIATION LEGEND)

SECTION III - PHYSICAL DATA

BOILING RANGE : 169- 169 F VAPOR DENSTIY : Is heavier than air
ODOR : AROMATIC SPECIFIC GRAVITY : 1.1611
APPERANCE : CLEAR LIQUID EVAPORATION RATE : Is slower than Ether
SOLUBILITY IN H2O : YES
VOLATILE BY WEIGHT : 12.5 % VOLATILE BY VOLUME : 15.3%
VOCS, lbs / gal : 1.21 VOCS, grams / l t r : 145

(See Section XI for abbreviation legend)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 138 F LOWER EXPLOSIVE LIMIT: 1.1 %
(TAGLIABUE CLOSED CUP) UPPER EXPLOSIVE LIMIT: 12.1 %

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: SOLVENT VAPORS MAY BE HEAVIER THAN AIR. STAGNANT AIR MAY CAUSE VAPORS TO ACCUMULATE AND TRAVEL ALONG THE GROUND TO AN IGNITION SOURCE WHICH MAY RESULT IN A FLASH BACK TO THE SOURCE OF THE VAPORS. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT , SPARKS AND OPEN FLAME.

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

CLOSED CONTAINER MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR BURST WHEN CONTAMINATED WITH WATER (CO2 EVOLVED).

SPECIAL FIREFIGHTING PROCEDURES: DO NOT BREATHE FUMES. WEAR SELF – CONTAINED BREATHING APPARATUS (PRESSURE DEMAND, MSHA/ NOISH- APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR. DURING A FIRE, HEXAMETHYLENE DIISOCYANATE (HDI) VAPORS AND OTHER IRRITATING, HIGHLY TOXIC GASES MAY BE GENERATED BY THERMAL DECOMPOSITION OR COMBUSTION.

SECTION V - HEALTH AND HAZARD DATA

EFFECTS OF OVEREXPOSURE: ACUTE INHALATION: HDI VAPORS OR MISTS AT CONCENTRATIONS ABOVE THE TLV OR MGL CAN IRRITATE (BURNING SENSATION) THE MUCOUS MEMBRANES IN THE RESPIRATORY TRACT (NOSE, THROAT, LUNGS). THIS CAN CAUSE RUNNY NOSE, SORE THROAT, COUGHING, CHEST DISCOMFORT, SHORTNESS OF BREATH AND REDUCED LUNG FUNCTION (LUNG OBSTRUCTION). PERSONS WITH A PREEXISTING, NONSPECIFIC BRONCHIAL HYPERACTIVITY CAN RESPOND TO CONCENTRATIONS BELOW THE TLV OR MGL WITH SIMILAR SYMPTOMS AS WELL AS ASTHMA ATTACK. EXPOSURE WELL ABOVE THE TLV OR MGL MAY LEAD TO BRONCHITIS, BRONCHIAL SPASM AND PULMONARY EDEMA (FLUID IN THE LUNGS). THESE EFFECTS ARE USUALLY REVERSIBLE. CHEMICAL OR HYPERSENSITIVE PNEUMONITIS, WITH FLU LIKE SYMPTOMS (E. G. FEVER, CHILLS) HAS BEEN REPORTED. SOLVENT VAPORS MAY BE IRRITATING TO THE EYES, NOSE AND THROAT. SYMPTOMS OF IRRITATION MAY INCLUDE: REDNESS, BURNING AND ITCHING OF THE EYES, DRYNESS OF THE THROAT AND TIGHTNESS OF THE CHEST. OTHER POSSIBLE SYMPTOMS OF OVEREXPOSURE INCLUDE HEADACHE, NAUSEA, NARCOSIS, FATIGUE AND LOSS OF APPETITE. A CONCENTRATION OF 200 PPM BA CAN CAUSE EYE, NOSE AND THROAT IRRITATION.

AT 300 PPM THESE EFFECTS CAN BECOME SEVERE. PERSONS EXPOSED TO 200 PPM OF NYLENE EXPERIENCES EYE NOSE AND THROAT IRRITATION. CONCENTRATIONS OF 10, 000 PPM OF XYLENE CAN BE IMMEDIATELY DANGEROUS TO LIFE AND HEALTH.

CHRONIC INHALATION...AS A RESULT OF PREVIOUS REPEATED OVEREXPOSURES OR A SINGLE LARGE DOSE, CERTAIN INDIVIDUALS WILL DEVELOP ISOCYANATE SENSITIZATION (CHEMICAL ASTHMA). THIS WILL CAUSE THEM TO REACT TO A LATER EXPOSURE TO ISOCYANATES AT LEVELS WELL BELOW THE TLV OR MGL. THESE SYMPTOMS WHICH INCLUDE: CHEST TIGHTNESS, WHEEZING, COUGH, SHORTNESS OF BREATHE OR ASTHMATIC ATTACK, COULD BE IMMEDIATE OR DELAYED UP TO SEVERAL HOURS AFTER EXPOSURE.

SIMILAR TO MANY NON - SPECIFIC ASTHMATIC RESPONSES, THERE ARE REPORTS THAT ONCE SENSITIZED AN INDIVIDUAL, CAN EXPERIENCETHSE SYMPTOMS ON EXPOSURE TO DUST, COLD AIR OR OTHER IRRITANTS. THIS INCREASED LUNG SENSITIVITY CAN PERSIST FOR WEEKS AND IN SEVERE CASES FOR SEVERAL YEARS.

CHRONIC OVEREXPOSURE TO ISOCYANATES HAS ALSO BEEN REPORTED TO CAUSE LUNG DAMAGE, INCLUDING DECREASE IN LUNG FUNCTION, WHICH MAY BE PERMANENT. SENSITIZATION MAY BE EITHER TEMPORARY OR PERMANENT. CHRONIC EXPOSURE TO ORGANIC SOLVENTS HAS BEEN ASSOCIATED WITH VARIOUS NEUROTOXIC EFFECTS, INCLUDING PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

SYMPTOMS INCLUDE: LOSS OF MEMORY, LOSS OF INTELLECTUAL ABILITY AND LOSS OF COORDINATION.

ACUTE SKIN CONTACT: ISOCYANATES REACT WITH SKIN PROTEIN AND MOISTURE CAN CAUSE SKIN IRRITATION; SUCH AS REDDENING, SWELLING, RASH, SCALING OR BLISTERING. PERSONS MAY DEVELOP SKIN SENSITIZATION. CURED MATERIAL IS DIFFICULT TO REMOVE. REPEATED OR PROLONGED SKIN CONTACT WITH SOLVENTS CAN RESULT IN DRY DEFATTED AND CRACKED SKIN CAUSING INCREASED SUSCEPTIBILITY TO INFECTION. IN ADDITION, SKIN IRRITATION (I. E. REDNESS, SWELLING), WHICH

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SECTION VI - REACTIVITY DATA

CONDITIONS TO AVOID: AVOID HEAT, SPARKS, AND OPEN FLAME. AVOID CONTACT WITH MOISTURE.

INCOMPATIBILITY : WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS AND SURFACE ACTIVE MATERIALS.

HAZARDOUS POLYMERIZATION: COULD OCCUR UNDER NORMAL CONDITIONS.

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WARNING! ELIMINATE ALL IGNITION SOURCES. HANDLING EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING. VENTILATE THE AREA. WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION EQUIPMENT WHEN ENTERING THE SPILL AREA. LARGE SPILLS: KEEP SPECTATORS AWAY. FLOOR MAY BE SLIPPERY: USE CARE TO AVOID FALLING. DIKE AND CONTAIN SPILL WITH INERT MATERIAL (E. G SAND, EARTH). SMALL SPILLS: TAKE UP WITH AN ABSORBENT MATERIAL AND SEAL TIGHTLY FOR PROPER DISPOSAL. POUR DECONTAMINATION SOLUTION OVER SPILL AREA AND ALLOW TO REACT FOR AT LEAST 10 MINUTES. COLLECT MATERIAL IN OPEN CONTAINERS AND FURTHER AMOUNTS OF DECONTAMINATION SOLUTION. REMOVE CONTAINERS TO A SAFE PLACE, COVER LOOSELY, AND ALLOW TO STAND FOR 24 TO 48 HOURS. WASH DOWN SPILL AREA WITH DECONTAMINATIONS SOLUTIONS. DECONTAMINATION SOLUTIONS:

- # 1) - NON IONIC SURFACTANT UNION CARBIDE TERGITOL TMN – 10 (20) AND WATER (80%.
- # 2) - CONCENTRATED AMMONIA (3 - 8 %), DETERGENT (2 %), AND WATER (90 – 95 %).

WASTE DISPOSAL METHOD: DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, COUNTY, STATE AND FEDERAL REGULATIONS. INCINERATION IS THE PREFERRED METHOD. PLACE CONTAMINATED MATERIAL IN SUITABLE CONTAINERS FOR DISPOSAL. PLACE IN A DISPOSAL FACILITY APPROVED UNDER RCRA REGULATIONS FOR HAZARDOUS WASTE. USE NON – LEAKING CONTAINERS, SEAL TIGHTLY AND LABEL PROPERLY. EMPTY CONTAINERS MUST BE HANDLED WITH CARE DUE TO THE PRODUCT RESIDUE AND THE FLAMMABLE SOLVENT VAPOR. DECONTAMINATE CONTAINERS PRIOR TO DISPOSAL. DO NOT HEAT OR CUT EMPTY CONTAINERS WITH ELECTRIC OR GAS TORCH.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: A RESPIRATOR THAT IS RECOMMENDED OR APPROVED FOR USE IN ISOCYANATE CONTAINING ENVIRONMENT (AIR PURIFYING OR FRESH AIR SUPPLIED) MAY BE NECESSARY. CONSIDER THE TYPE OF APPLICATION AND ENVIRONMENTAL CONCENTRATIONS. OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE (29 CFR 1910, 134). IN SPRAY APPLICATIONS, WHEN THE AIRBORNE ISOCYANATE MONOMER CONCENTRATIONS ARE KNOWN TO BE BELOW 0.2 PPM AND IF THE POLYISOCYANATE (POLYMERIX, OLIGOMER) CONCENTRATIONS ARE KNOWN TO BE BELOW 10 MG/ M3, A PROPERLY FITTED AIR PURIFYING (ORGANIC VAPOR/ PARTICULATE) RESPIRATOR, PROVEN BY TEST TO BE EFFECTIVE IN ISOCYANATE CONTAINING SPRAY PAINT ENVIRONMENT, WILL PROVIDE SUFFICIENT PROTECTION. WHEN THE AIRBORNE ISOCYANATE CONCENTRATIONS ARE NOT KNOWN, OR IF EITHER OF THE ABOVE GUIDELINES IS EXCEEDED, OR IF SPRAYING IS PERFORMED IN A CONFINED SPACE OR

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MATERIAL SAFETY DATA SHEET

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : CH LOCK UV GL PART FROG SHEILD
IDENTIFICATION NUMBER: CLUVGL DATE PRINTED: 10/07/04
PRODUCT USE/ CLASS :

SUPPLIER: FAR FROM NORMAL 1318 39TH ST NW FARGO, ND 58102
MANUFACTURER: T. J. RONAN PAINT CORPORATION 749 EAST 135TH ST. BRONX, NY 10454

CHEMTREC: (800) 424-9300 24 HOUR EMERGENCY HOTLINE
CHEMTREC: (800) 424-9300 24 HOUR EMERGENCY HOTLINE

PREPARER: JD, PHONE: 718-292-1100, PREPARE DATE: 10/07/04

SECTION II - COMPOSITION/ INFORMATION ON INGREDIENTS

Table with 8 columns: CHEMICAL NAME, CAS NUMBER, WT. PERCENT IS LESS THAN TLV-TWA, OCCUPATIONAL EXPOSURE LIMITS (TLV- STEL, PEL- TWA, PEL-CEILING), SKIN. Rows include POLYACRYLATE RESIN IN WATER, ETHYLENEGLYCOL MONOBUTYL ETHER, PETROLEUM DISTILLATE, and 1,2,4 - TRIMETHYLBENZENE.

(See Section 11 for abbreviation legend)

SECTION III - PHYSICAL DATA

BOILING RANGE : 212 - 350 F
ODOR : LOW
APPEARANCE : CLEAR LIQUID
SOLUBILITY IN H2O : YES
VOLATILE BY WEIGHT : 58. 3 %
VOCS, ILS/ GAL : 1. 57
VAPOR DENSTIY : Is heavier than air
SPECIFIC GRAVITY : 1. 0555
EVAPORATION RATE : Is slower than Ether
VOLATILE BY VOL : 62.4%
VOCS, GRAMS/ LTR : 188

(See Section XI for abbreviation legend)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : 106 F (TAGLIABUE CLOSED CUP)
LOWER EXPLOSIVE LIMIT: 1.0%
UPPER EXPLOSIVE LIMIT: 10.6%

EXTINGUISHING MEDIA : CO2 DRY CHEMICAL FOAM WATER FOG
UNUSUAL FIRE AND EXPLOSIVE HAZARDS: KEEP CONTAINER CLOSED TIGHTLY.
ISOLATE FROM HEAT, SPARKS AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE.

Preparation Date : 10/ 07/ 04

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

WHEN EXPOSED TO EXTREME HEAT.

SPECIAL FIREFIGHTING PROCEDURES: WEAR SELF CONTAINED BREATHING APPARATUS. WATER MAY SPREAD FIRE. WATER SPRAY SHOULD BE USED TO COOL CONTAINERS EXPOSED TO FIRE.

SECTION V- HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: INHALATION: NAUSEA, DIZZINESS, HEADACHE, VOMITING. SKIN CONTACT: REPEATED CONTACT MAY CAUSE IRRITATION, AND DERMATITIS. EYE CONTACT : CAUSES IRRITATION, REDNESS, TEARING, BLURRED VISION. INGESTION: CAN CAUSE IRRITATION OF THE DIGESTIVE TRACT, NAUSEA, VOMITING AND DIARRHEA. IN SEVERE CASES INGESTION CAN BE FATAL. ASPIRATION INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THIS PRODUCT MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS PRONE TO AGGRAVATION: PRE EXISTING EYE, SKIN OR RESPIRATORY DISORDERS.

EMERGENCY AND FIRST AID PROCEDURES: EYE CONTACT : FLUSH WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. SKIN CONTACT: REMOVE SATURATED CLOTHING. WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS. LAUNDRER SATURATED CLOTHING AND CLEAN SHOES BEFORE REUSE. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY KEEP HEAD BELOW HIPS TO PREVENT INHALATION. SEEK MEDICAL ATTENTION IMMEDIATELY.

PRIMARY ROUTE (S) OF ENTRY: SKIN CONTACT INHALATION INGESTION

SECTION VI - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS: MAY PRODUCE TOXIC FUMES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CARBON MONOXIDE AND/ OR CARBON DIOXIDE.

CONDITIONS TO AVOID: AVOID HEAT, SPARKS, AND OPEN FLAME.

INCOMPATIBILITY: ISOLATE FROM OXIDIZERS, HEAT SPARKS AND OPEN FLAME.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION. COVER WITH INERT ABSORBENT MATERIAL.

WASTE DISPOSAL METHOD: DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, COUNTY, STATE AND FEDERAL REGULATIONS.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: WEAR TO AVOID BREATHING SPRAY MIST, HEATED VAPORS OR FUMES OR IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SECTION II). USE A NIOSH- APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.

VENTILATION: USE EXPLOSION PROOF VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS.

PROTECTIVE GLOVES: WEAR IMPERVIOUS GLOVES.

EYE PROTECTION: WEAR CHEMICAL RESISTANT GOGGLES TO PREVENT EYE CONTACT.

OTHER PROTECTIVE EQUIPMENT: WEAR PROTECTIVE CLOTHING AS REQUIRED PREVENTING SKIN CONTACT.

HYGIENIC PRACTICES: WASH WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. KEEP CONTAINERS TIGHTLY CLOSED. STORE AWAY FROM STRONG OXIDIZING AGENTS IN A COOL, DRY PLACE WITH ADEQUATE EXPLOSION - PROOF VENTILATION. AVOID CONTACT WITH EYES SKIN AND CLOTHING.

OTHER PRECAUTIONS: DO NOT WELD, HEAT OR DRILL ON OR NEAR CONTAINER; EVEN EMPTIED CONTAINERS CAN CONTAIN EXPLOSIVE VAPORS. UNIFORMS OR CLOTHING CONTAINING PAINT RESIDUE SHOULD NOT BE LAUNDERED WITH HOUSEHOLD GARMENTS. DO NOT TAKE INTERNALLY. OBSERVE LABEL PRECAUTIONS.

SECTION X - HMIS RATINGS

HMIS RATINGS - HEALTH : 3 FLAMMABILITY: 3 REACTIVITY : 0

PRODUCT: CLUVGL

Preparation Date : 10/07/04

SECTION XI - OTHER REGULATIONS

SARA SECTION 313 :

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372 :

----- CHEMICAL NAME -----	CAS NUMBER	WT/ WT %	IS LESS THAN
ETHYLENEGLYCOL MONOBUTYL ETHER	111-76-2		5 . 0 %
1, 2, 4 - TRIMETHYLBENZENE	95-63-6		5 . 0 %

PREVIOUS MSDS REVISION DATE : 10/ 07/ 04

LEGEND : N. A. - NOT APPLICABLE, N. E. - NOT ESTABLISHED
N. D. - NOT DETERMINED

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