
SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

004 WRS GROUP 01
CHEMICAL PRODUCT IDENTIFICATION: 308
PRODUCT IDENTIFICATION. . . : UL-4886 PL
PRODUCT CLASS : IN MOLD COATINGS
TRADE NAME. : CLEAR IMC BASE
PRODUCT USE :

FORMULA IDENTIFICATION. . . : UL-4886
FORMULA VERSION NUMBER. . . : 1

PREPARED BY : EHS DEPARTMENT
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MSDS PREPARED FOR : WRS GROUP
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MSDS LAST PREPARED. :

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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

1
CAS# 67-63-0
ISOPROPYL ALCOHOL
VAPOR PRESSURE: 33.000 MMHG @ 68F LEL 2.00

EXPOSURE LIMIT:
ACGIH TLV/TWA: 400
ACGIH TLV/STEL: 500
OSHA PEL/TWA: 400
OSHA STEL: 500

2
CAS# 108-88-3
TOLUENE

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VAPOR PRESSURE: 22.000 MMHG @ 68F LEL 1.20

EXPOSURE LIMIT:

ACGIH TLV/TWA:	100
ACGIH TLV/STEL:	150
ACGIH CEILING:	300
OSHA PEL/TWA:	200
OSHA STEL:	150
OSHA CEILING:	300
LC50:	8000 PPM/4H (RAT)
LD50:	5.0 G/KG (RAT) 14 G/KG (RABBIT)
SARA STATUS:	THIS MATERIAL IS A SARA 313 REPORTABLE
HAP STATUS:	THIS MATERIAL IS ON THE HAPS AND VHAPS LISTS

3

CAS# 107-98-2
PROPYLENE GLYCOL MONOMETHYL ETHER

EXPOSURE LIMIT:

ACGIH TLV/TWA: 100

4

CAS# 64-17-5
ETHYL ALCOHOL TECHNICAL

VAPOR PRESSURE: 43.000 MMHG @ 68F LEL 3.30

EXPOSURE LIMIT:

ACGIH TLV/TWA:	1880 MG/M3
OSHA PEL/TWA:	1900 MG/M3

This product is not considered a carcinogen under OSHA regulations

SECTION 3 - HAZARDS IDENTIFICATION

HMIS Information	Health - 2	Flammability - 3
	Reactivity - 0	Personal Protective Equipment - X

HAZARD INDEX: 4= Severe 3= Serious 2= Moderate 1= Slight 0= Minimal
*= Chronic health Hazard

HMIS ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

SECTION 4 - FIRST AID MEASURES

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EYE CONTACT: Flush with luke warm water for 15 minutes. Seek Medical attention.

SKIN CONTACT: Flush with copious amounts of luke warm water. Remove contaminated clothing promptly. Seek medical attention.

INHALATION: Remove exposed individual to fresh air. Restore breathing if required. Seek medical attention.

INGESTION: Rinse mouth immediately. Give exposed individual 6 to 8 ounces of liquid.
(NEVER GIVE ANYTHING BY MOUTH TO AN UNCONCIOUS PERSON)
Do NOT induce vomiting unless advised by a physician.
Seek medical attention immediately.
Remove contaminated clothing immediatly and do not wear it until it has been properly laundered.

MEDICAL EXAMINATIONS:

Comprehensive preplacement and biennial medical examinations to be directed toward, but not limited to the liver, kidney, gastrointestinal disorders, skin irritation, and the central nervous system, may be considered.

SECTION 5 - FIRE FIGHTING MEASURES

FIRE AND EXPLOSIVE PROPERTIES OF THE CHEMICAL:

Flammability Classification	:	
Flashpoint (F)	:	40.0
Explosion Level	:	Low - 1.2
		High - 19.0
Flammability Limits	:	Lower - -N/A
		Higher - -N/A

Auto-Ignition Temperature. : -N/A

EXTINGUISHING MEDIA:

USE CO2, DRY CHEMICAL, FOAM, or ALCOHOL FOAM

FIRE-FIGHTING PROCEDURES AND EQUIPMENTS:

A water stream can scatter flames. A spray of water may be used to cool fire-exposed containers.

Clear fire area of unprotected personnel. Do not enter confined space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH-approved self-contained breathing apparatus.

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OTHER:

Liquid and vapor states of this substance are dangerous fire hazards and moderate explosion hazards when exposed to heat or flames.

Thermal decomposition in the presence of air may yield carbon monoxide, carbon dioxide and/or various hydrocarbons.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

CLEAN-UP:

Stay upwind and away from spill or leak unless wearing appropriate protective equipment. Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools for cleanup. Cover with inert material to reduce fume. Keep out of drains, sewer, or waterways. If large spill call spill response teams. Contact fire authorities. Notify local health and pollution agencies.

Do NOT flush to sewer, watershed, or waterway.

CONTAINMENT:

SECTION 7 - HANDLING AND STORAGE

HANDLING:

Keep product containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. Do NOT smoke in storage areas.

Bond and ground metal containers when transferring material.

Sprinkler fire protection is desirable in areas of storage, handling, and use.

SPECIAL COMMENTS:

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

EYE PROTECTION:

Avoid contact with eyes. Wear goggles if there is a likelihood of contact

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with the eyes.

Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

Eyewash stations and safety showers should be readily available in use and handling area.

RESPIRATORY PROTECTION:

Use ventilation as required to control vapor, dust, and fumes. Avoid prolonged or repeated breathing of vapors. If exposure exceeds TLV, use a NIOSH approved respirator to prevent overexposure.

SKIN PROTECTION:

Protective gloves are required for prolonged or repeated contact. Wear resistant gloves such as natural rubber, neoprene, buna N, or nitrile. An apron should be worn to avoid skin contact.

Wash hands thoroughly before eating and using washroom.

SPECIAL COMMENTS:

Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this sheet must be observed.

NOTICE - Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance	: CLEAR LIQUID
Odor	: Moderate Aromatic
Odor Threshold	: -N/A
Physical State	: LIQUID
pH	: -N/A
Vapor Pressure	: 43.00
Vapor Density	: 3.20
Boiling Range	: Lower - 173.0 Higher - 216.0
Freezing Point	: -N/A
Melting Point	: -N/A
Water Solubility	: INSOLUABLE

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VOC (lbs/gal)	6.613
VOC (lbs/gal) Actual as Supplied	6.584
VOC (g/L)	792.43
Evaporation Rate	3.300 (n-Butyl Acetate = 1)
Volatile by Weight	92.2952
Volatile by Volume	94.5334
Weight per Gallon	7.1702 LB/GL
Coeff of Water-Oil Distribution	-N/A
Mechanical Impact Explosion	-N/A
Static Electricity Explosion	-N/A

SECTION 10 - STABILITY AND REACTIVITY

INCOMPATIBILITIES:

This raw material is incompatible with strong oxidizing agents, strong mineral acids, alkali metals, and halogens.

STABILITY/DECOMPOSITION:

Stable; hazardous decomposition not expected; thermal decomposition may produce toxic oxides of carbon and/or nitrogen.

CONDITIONS TO AVOID:

Avoid exposure to sparks, open flame, hot surfaces, and all sources of heat and ignition.

POLYMERIZATION:

Hazardous polymerization will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

EYE EFFECTS:

This product is severely irritating to eyes, Exposure may cause extensive corneal injury.

SKIN EFFECTS:

This product may cause skin irritation and drying/defatting or cracking, and dermatitis on repeated or prolonged exposure to skin.

ORAL EFFECTS:

Ingestion of this product will cause irritation of the gastrointestinal and may cause effect resembling those from inhalation of vapor.

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SWALLOWING: single dose oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects, swallowing large amounts may be harmful.

symptoms may include:
gastrointestinal irritation (nausea, vomiting, diarrhea)

INHALATION EFFECTS:
headaches, nausea, dizziness, and vomiting may occur from inhalation

This product is irritating to the upper respiratory tract.

OTHER:
Vapors of this product may cause irritation of the eyes, nose, throat, upper respiratory tract, mucous membranes, and skin.

Pulmonary edema may develop with inhalation of high concentrations of this material.

Chronic overexposure to this product may cause kidney and liver injury.

Routes of entry: inhalation; skin contact; eye contact.

Prolonged exposure to this product may result in irritation of the mucous membranes, headache, drowsiness, fatigue, and narcosis. Overexposure can result in acidosis and visual disturbances which may progress to loss of vision.

Prolonged exposure could cause CNS depression.

Aspiration can be a hazard if this material is swallowed

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION/ENVIRONMENTAL FATE:

No definitive information available on environmental impact if product is released to the environment.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of product in accordance with applicable local, county, state, and

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federal regulations.

SECTION 14 - REGULATORY INFORMATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

TOLUENE

CAS# 108-88-3 PCT BY WT: 44.1130

2-BUTANOL

CAS# 78-92-2 PCT BY WT: 30.4200

FEDERAL REGULATIONS:

The OSHA Hazard Communication Standard 1910.1200 and the Workplace Hazardous Materials Information System (WHMIS) require that the information contained on these sheets be made available to your workers. Instruct your workers to handle this product properly.

TSCA (Toxic Substance Control Act): All components of this product are listed on the TSCA Inventory.

CA PROPOSITION 65:

WARNING: This product contains a material known in the state of California to cause cancer.

SECTION 15 - OTHER INFORMATION

THE INFORMATION CONTAINED HEREIN IS INFORMATION RECEIVED FROM OUR RAW MATERIAL SUPPLIERS AND OTHER SOURCES AND IS BELIEVED TO BE RELIABLE. THIS DATA IS NOT TO BE TAKEN AS A WARRANTY OR REPRESENTATION FOR WHICH I.V.C. SOUTH, INC. ASSUMES LEGAL RESPONSIBILITY.