

MATERIAL SAFETY DATA SHEET

MSDS NAME: IG30240 INSL-GUARD ROYAL BLUE COMP A

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SECTION - I - COMPANY AND PRODUCT IDENTIFICATION

Product Name: IG30240 INSL-GUARD ROYAL BLUE COMP A
 Hazard Rating: Health: 3* Fire: 2 Reactivity: 0 PPI:

Company Identification: INSL-X PRODUCTS CORPORATION
 P.O. BOX 694
 50 HOLT DR.
 STONY POINT NY 10980-0694

Telephone/Fax: (845) 786-5000 (845) 786-5831
 CHEMTREC(24 HOURS): (800) 424-9300

Product Class SOLVENT BASED EPOXY - 1
 UN Number 1263

SECTION II - HAZARDOUS INGREDIENTS INFORMATION

Hazardous Ingredients	CAS Number	WEIGHT%
XYLENE	1330207	23.27
ETHYLENE GLYCOL MONOPROPYL ETH	2807309	5.49
SILICA CRYSTALLINE QUARTZ	14808607	5.13
ETHYLBENZENE	100414	3.58
SOLVENT NAPHTHA,LIGHT AROMATIC	64742956	2.87
COPPER COMPOUND	NOT APPLICABLE	2.72
1,2,4-TRIMETHYLBENZENE	95636	2.00
TRIMETHYLAMINOMETHYL PHENOL	90722	1.34
TOLUENE	108883	0.11

SECTION III - PHYSICAL DATA

Boiling Point/Range: 90.0F - 355.0F (32.220C - 179.440C)
 Vapor Pressure Range(mmHg): 1.@ 55.0F (12.780C)
 21.@ 68.0F (20.0C)
 Evaporation Rate: Slower than n-Butyl Acetate
 Vapor Density: Heavier than air
 % Volatile Weight 37.84%
 % Volatile by Volume 49.03%
 Specific Gravity: 1.13177
 VOC MAX LBS/GAL & GRMS/LTR 3.57/427.91

SECTION IV - FIRE AND EXPLOSION HAZARD INFORMATION

OSHA Flammability Class: IC
Flash Point: 80.0°F (26.67°C)
Setaflash
Explosive Range: 0.8%
73.%

FIRE EXTINGUISHING MEDIA: Dry chemical, foam, water fog, carbon dioxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep this product away from heat, sparks, flame, and other sources of ignition. Keep containers closed when not in use. Closed containers may burst when exposed to extreme heat or fire. Toxic gases may form when product is exposed to extreme heat. Product may decompose under fire.

FIRE FIGHTING PROCEDURES: Water may be used to cool and protect exposed containers. Use self-contained breathing apparatus. Water may be ineffective in extinguishing a paint fire. Stream of water may spread the flame. If water is used, fog nozzles are preferable.

HAZARDOUS DECOMPOSITION OR COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, oxides of nitrogen, acrid fumes, ammonia, hydrogen cyanide, oxygen, peroxides, aldehydes, chlorine, toxic gases, smoke and soot.

SECTION V - HEALTH HAZARD INFORMATION

INHALATION: If affected, remove to fresh air. If breathing stops, give artificial respiration. Administer oxygen if available. Get immediate medical assistance.

SKIN CONTACT: Flush immediately with plenty of water followed by washing with soap and water. Remove contaminated clothing. Wash contaminated clothing before reuse. If irritation occurs, consult a physician.

EYE CONTACT: Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical assistance.

INGESTION: If swallowed obtain medical assistance immediately.

PRIMARY ROUTE(S) OF EXPOSURE: Inhalation, skin contact, eye contact, ingestion, depending on conditions of use. To minimize exposure, follow recommendations for proper use, handling, ventilation, and personal protective equipment.

EFFECTS OF OVEREXPOSURE:

INHALATION: Irritation of respiratory tract. Prolonged inhalation may lead to mucous membrane irritation, fatigue, drowsiness, dizziness and /or lightheadedness, headache, loss of coordination, nausea, vomiting, diarrhea, chest pain, blurred vision, coughing, difficulty with speech, central nervous system depression, intoxication, tightness of chest, metallic taste, confusion, anesthetic effect or narcosis, difficulty of breathing, tremors, severe lung irritation, burns, or damage, liver damage, kidney damage, spleen damage, pulmonary edema, neurotoxicity, loss of consciousness, respiratory failure, death. Possible sensitization to respiratory tract. Sanding dust inhalation may cause lung damage.

SKIN CONTACT: Irritation of skin. Prolonged or repeated exposure can cause dermatitis, defatting, blistering, severe skin irritation or burns. Possible sensitization to skin. Skin contact may result in dermal absorption of component(s) of this product which may cause central nervous system depression, liver damage, kidney damage.

EYE CONTACT: Irritation of eyes. Prolonged or repeated contact can cause conjunctivitis, blurred vision, tearing of eyes, redness of eyes, severe eye irritation or burns, corneal injury.

INGESTION: Ingestion may cause lung inflammation and damage due to aspiration of material into lungs, mouth and throat irritation, mucous membrane irritation, fatigue, drowsiness, dizziness and/or lightheadedness, headache, loss of coordination, nausea, vomiting, diarrhea, gastro-intestinal disturbances, abdominal pain, central nervous system depression, intoxication, anesthetic effect or narcosis, difficulty of breathing, abnormal blood pressure, burns of the mouth, throat, stomach, liver damage, kidney damage, pulmonary edema, convulsions, loss of consciousness.

disturbances may indicate excessive eye contact. Dryness, itching, cracking, burning, redness, and swelling are conditions associated

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None generally expected when recommendations for proper use, handling, ventilation, and personal protective equipment are followed.

Contains Ethylbenzene a substance which has been classified as possibly carcinogenic to humans by IARC.

Contains Crystalline silica a substance which has been classified as carcinogenic to humans by NTP.

Crystalline Silica has been classified as a carcinogen in dry powder form only. This exposure is not likely to be encountered during the normal use of this product.

SECTION VI - STABILITY & REACTIVITY INFORMATION

Stability: This product is stable

Hazardous Polymerization: Hazardous polymerization will not occur

MATERIALS TO AVOID: Oxidizers, acids, bases, reducing agents, aldehydes, ketones, amines, nitric acid, hydrogen fluoride, caustics, mineral acids, sodium, nitrates, chlorinated rubber chlorine trifluoride.

CONDITIONS TO AVOID: Elevated temperatures, contact with oxidizing agent, sparks, open flame, ignition sources.

SECTION VII - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Eliminate all sources of ignition. Ventilate area. Avoid breathing vapors. Use appropriate personal protective equipment. Use self-contained breathing apparatus if necessary. Contain spill and remove with inert absorbent. Use non-sparking tools. Use proper containers. Prevent material from entering sewers, natural ways, or soil.

WASTE DISPOSAL: Dispose in accordance with all applicable local, county, state, and federal regulations. Do not incinerate closed containers. If necessary, use only a licensed disposal firm/facility.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
XYLENE	100.00 PPM	N/est	150.00 PPM	150.00 PPM	100.00 PPM
ETHYLENE GLYCOL MONOPROPYL ETH	N/est	N/est	N/est	N/est	N/est
SILICA CRYSTALLINE QUARTZ	0.10 mg/M3	N/est	N/est	N/est	0.10 mg/M3
ETHYLBENZENE	100.00 PPM	N/est	125.00 PPM	125.00 PPM	100.00 PPM
SOLVENT NAPHTHA, LIGHT AROMATIC	100.00 PPM	N/est	N/est	N/est	N/est
COPPER COMPOUND	N/est	N/est	N/est	N/est	N/est
1,2,4-TRIMETHYLBENZENE	N/est	N/est	N/est	N/est	N/est
TRIMETHYLAMINOMETHYL PHENOL	N/est	N/est	N/est	N/est	N/est
TOLUENE	50.00 PPM	N/est	N/est	150.00 PPM	100.00 PPM

GENERAL PRECAUTIONS TO BE TAKEN IN USE: Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using. Product may contain substances classified as nuisance particulates that may be at hazardous levels only during sanding or abrading of the dried film.

RESPIRATORY PROTECTION: If personal exposure cannot be controlled below applicable limits by ventilation, wear an appropriate properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA (Canadian z94.4).

When sanding or abrading a dried film, wear a dust/mist respirator approved by NIOSH/MSHA (Canadian z94.4) for dust which may be generated from this product, the underlying product, or the abrasive.

VENTILATION: Provide dilution ventilation or local exhaust to maintain the level of vapors and dust below the applicable limits. Use only non-sparking explosion-proof equipment. Discharge exhaust only in area away from ignition sources.

PERSONAL PROTECTIVE EQUIPMENT: Splash goggles or safety glasses with side shields, impervious gloves, impervious clothing, chemical resistant boots for spill clean up.

HYGIENIC PRACTICES: Wash clothing before reuse. Wash hands before eating, smoking, or using washroom.

HMIS:

RATINGS: Ratings are only suggested. The contractor/employer has the ultimate responsibility to evaluate the hazard that this product represents in the environment in which it is used.

RATING SYSTEM: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe.
*=Chronic effects.

PERSONAL PROTECTIVE EQUIPMENT: This code is left blank. It should be entered by the contractor/employer who is familiar with the actual conditions under which this product is ultimately used.

SECTION IX - HANDLING & STORAGE/SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Store in a cool, dry, and well-ventilated area. Keep away from heat, sparks and open flame. Keep from freezing. Keep containers tightly closed and upright when not in use. Do not puncture nor re-use containers. Transfer only to approved containers with complete and appropriate labeling. Containers should be grounded when pouring.

OTHER PRECAUTIONS: Use only with adequate ventilation. Use appropriate respiratory protection. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes. Avoid breathing of vapors, spray mist, or sanding dust. Empty containers may contain hazardous residues. Wash hands thoroughly after handling, especially before eating or smoking. If this product is part of a multiple component system, the resulting mixture may have the hazards of all of its parts.

SECTION X - ADDITIONAL INFORMATION

SARA TITLE III SECTION 313 (40CFR372):

This product contains a substance(s) that may be subject to the reporting requirements.

Ingredient Name	CAS Number	Weight %
XYLENE	1330207	23.27
ETHYLENE GLYCOL MONOPROPYL ETH	2807309	5.49
ETHYLBENZENE	100414	3.58
COPPER COMPOUND	NOT APPLICABLE	2.72
1,2,4-TRIMETHYLBENZENE	95636	2.00
TOLUENE	108883	0.11

CALIFORNIA PROPOSITION 65:

This product contains a substance(s) known to the state of California to cause cancer.

Ingredient Name	CAS Number	Weight %
SILICA CRYSTALLINE QUARTZ	14808607	5.13

CALIFORNIA PROPOSITION 65:

This product contains a substance(s) known to the state of California to cause cancer and adverse reproductive toxicity.

Ingredient Name	CAS Number	Weight %
TOLUENE	108883	0.11

SARA TITLE III SECTION 304 CERCLA (40CFR302.4):

This product contains a substance(s) subject to release notification. As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This MSDS complies with OSHA hazard communication standard 29 CFR 1910.1200.

The above information pertains to the products as currently formulated and is based on the information received from raw material suppliers and other sources. We believe, to the best of our knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and make no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. the information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data and to comply with all applicable international, federal, state, and local laws and regulations.

As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This MSDS complies with OSHA hazard communication standard 29 CFR 1910.1200.

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CEPA:

All substances in this product are on the Canadian Domestic Substance List.