

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ASTEC 2000 BASE COAT

PART NUMBER:

GENERAL USE: Protective coating

PRODUCT DESCRIPTION: White viscous liquid, characteristic odor



MANUFACTURER'S NAME

Insulating Coatings Corporation

DATE PREPARED: March 9, 2009

SUPERSEDES: April 1, 2008

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ADDRESS (NUMBER, STREET, P.O. BOX)

956 South Hwy 41

TELEPHONE NUMBER FOR INFORMATION

(800) 345-5306

(CITY, STATE AND ZIP CODE)

Inverness, FL 34450

COUNTRY

USA

EMERGENCY TELEPHONE NUMBER

ChemTel Inc. 1- (800) 255-3924 Intl. + 01 (813) 248-0585

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

May be harmful in contact with skin, contact with eyes may cause irritation, prolonged contact with skin may cause irritation. Very toxic to aquatic organisms. Hazard Symbols for this product - Xn, Risk Phrases - R 21, 36, 50/53

POTENTIAL HEALTH EFFECTS

INHALATION: High concentrations are irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting and malaise.

SKIN: Brief contact may cause slight irritation; prolonged contact may cause moderate reddening, swelling and possible necrosis.

EYES: Contact causes severe irritation and pain associated with redness and swelling of the conjunctiva.

INGESTION: Moderately toxic; may cause headache, dizziness, diarrhea and general weakness; large doses may result in red blood cell hemolysis.

CARCINOGENICITY

NTP? Yes

IARC MONOGRAPHS? No

OSHA REGULATED? No

Butyl Benzyl Phthalate - IARC Group 3- Cannot be classified as to Carcinogenicity to humans; NTP: Clear evidence

SECTION 3 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	% (by weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES Full Text Section 16
Butyl benzyl phthalate (a,b,c)	1 - 5	85-68-7	201-622-7	T, N	R-50/53, 61, 62
Ethylene glycol monopropyl ether (a)	1 - 5	2807-30-9	220-548-6	Xn	R-10, 21, 36

The remaining components of this product are non-hazardous or are in small enough quantities as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product.

(a,b) See Section 15

(c) Product is listed or defined as a marine pollutant in IMDG Code or 49 CFR 172.101 Appendix B, List of Marine Pollutants and must be classified as an Environmentally Hazardous Substance, Class 9, in addition to any other defined hazards for this product.

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SECTION 4 - FIRST AID MEASURES									
INHALATION: Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.									
SKIN: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.									
EYES: Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.									
INGESTION: Give two glasses of water for dilution; Induce vomiting by sticking fingers down throat; never give anything by mouth to an unconscious person; seek medical attention.									
SECTION 5 - FIRE FIGHTING MEASURES									
GENERAL HAZARDS: Product is not considered flammable or combustible. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.									
EXTINGUISHING MEDIA Carbon dioxide, water, water fog, dry chemical, chemical foam.									
FIRE FIGHTING PROCEDURES Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released.									
UNUSUAL FIRE AND EXPLOSION HAZARDS None									
HAZARDOUS COMBUSTION PRODUCTS Smoke, fumes or vapors, oxides of carbon.									
SECTION 6 - ACCIDENTAL RELEASE MEASURES									
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Confine spill, soak up with approved absorbent, shovel product into approved container; for spills in excess of allowable quantities (RQ) notify the National Response Center (800) 424 - 8802; refer to SARA Title III, Section 313 40 CFR 372, and CERCLA 40 CFR 302 for complete regulations concerning reporting requirements.									
SECTION 7 - HANDLING AND STORAGE									
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.									
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION									
HAZARDOUS COMPONENTS		NIOSH				ACGIH			
		TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Butyl benzyl phthalate (a,b,c)		5*				5*			
Ethylene glycol monopropyl ether (a)		Not established				Not established			
(*) The ACGIH Time Weighted Average (TWA) has not been established nor has NIOSH established the Permissible Exposure Limit (PEL) for this product, therefore the limits described have been established as guidelines by the manufacturer.									
PERSONAL PROTECTION:									
RESPIRATORY PROTECTION: None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134, ANSI Z88.2, or European Standard EN 149 for complete regulations.									
PROTECTIVE GLOVES: Neoprene, butyl or nitrile rubber gloves with cuffs.									
EYE PROTECTION: Chemical splash goggles. Refer to 29 CFR 1910.133, ANSI Z87.1, or European Standard EN166.									
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, apron, or other equipment should be worn to minimize skin contact, safety eyewash station nearby.									
WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.									

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES			
APPEARANCE AND ODOR White viscous liquid, characteristic odor		VAPOR PRESSURE 17 mm Hg @ 20° C	
pH 7.5 - 8.5		SPECIFIC GRAVITY (WATER = 1) 1.485	
BOILING POINT / BOILING RANGE 212° F (100° C)		SOLUBILITY IN WATER Dispersible	VISCOSITY Not specified
FLASH POINT Non-flammable		VOLATILE ORGANIC COMPOUNDS (VOC's) 0.506 lbs / gallon (60.2 grams / liter) (calculated on water-free basis)	
FLAMMABLE LIMITS LEL: Not applicable UEL: Not applicable		VAPOR DENSITY (AIR = 1) < 1	
AUTOIGNITION TEMPERATURE Not established		EVAPORATION RATE (WATER = 1) < 1	
SECTION 10 - STABILITY AND REACTIVITY			
STABILITY UNSTABLE: STABLE: X		CONDITIONS TO AVOID: Extreme temperatures.	
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids.			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.			
HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR: X		CONDITIONS TO AVOID: None	
SECTION 11 - TOXICOLOGICAL INFORMATION			
Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Butyl benzyl phthalate (a,b,c)	85-68-7 201-622-7	2330 mg / kg Oral - rat	Not established
Ethylene glycol monopropyl ether (a)	2807-30-9 220-548-6	3089 mg / kg Oral - rat	2132 ppm / 6H Inhalation - rat
(a,b) See Section 15			
SECTION 12 - ECOLOGICAL INFORMATION			
No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. One of the ingredients in this mixture (Butyl benzyl phthalate) is classified as a Marine Pollutant.			
SECTION 13 - DISPOSAL CONSIDERATIONS			
WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Product is classified as non - hazardous, however, non-hazardous materials may become hazardous waste upon contact with other products. Refer to 40 CFR 260 - 299 for complete waste disposal regulations. Consult your local, state, or federal agency before disposing of any chemicals. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.			
SECTION 14 - TRANSPORT INFORMATION			
PROPER SHIPPING NAME: Non - Hazardous for Transport DOT HAZARD CLASS / Packaging Group: Not regulated REFERENCE: Not Applicable UN / NA IDENTIFICATION NUMBER: None LABEL: None Required HAZARD SYMBOLS: None			
IATA HAZARD CLASS / Packaging Group: Not regulated IMDG HAZARD CLASS: Not regulated RID / ADR Dangerous Goods Code: Not regulated UN TDG Class / Packaging Group: Not regulated Hazard Identification Number (HIN): None			
Note: Transportation information provided is for reference only. Client is urged to consult 49 CFR 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping. Hazard Class 9 must be used if shipping quantity exceeds RQ for this mixture.			

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SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act)

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume or Polymer Exemption has been granted in accordance with 40 CFR 723.50.

SARA TITLE III (USA - Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories

Immediate health

313 Reportable Ingredients:

(a) Indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CERCLA (USA - Comprehensive Response Compensation and Liability Act)

(b) The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ for this mixture = 5,000 lbs) or greater amounts, according to 40 CFR 302.

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

There is a reportable chemical present (Butyl benzyl phthalate) known to the state of California to cause cancer or reproductive toxicity.

CPR (Canadian Controlled Products Regulations)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: D2B

IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

WGK Water Quality Index: 1

VbK Index: not applicable

RISK PHRASES:

R21 Harmful in contact with skin.
R36 Irritating to eyes.
R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

SYMBOL(S) REQUIRED FOR LABEL

Harmful



SAFETY PHRASES:

S2 Keep out of the reach of children.
S24/25 Avoid contact with skin and eyes.
S28 After contact with skin, wash immediately with plenty of soap and water.

SECTION 16 - OTHER INFORMATION

Notes & full R-Phrase text

R10 Flammable.
R21 Harmful in contact with skin.
R36 Irritating to eyes.

R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
R61 May cause harm to the unborn child.
R62 Risk of impaired fertility.

HMIS HAZARD RATINGS

HEALTH	1*	* = Chronic Health Hazard	2 = MODERATE
FLAMMABILITY	0	0 = INSIGNIFICANT	3 = HIGH
PHYSICAL HAZARD	0	1 = SLIGHT	4 = EXTREME
PERSONAL PROTECTIVE EQUIPMENT	C	Safety Glasses, Gloves, Apron	

REVISION SUMMARY:

This MSDS has been revised in the following sections:
Format update

MSDS Prepared By:

Comprehensive Data Base, Inc.
P.O. Box 686
Seffner, FL 33583 USA
(863) 644 - 3298 www.compdatabase.com or www.msds.cc

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.