Frost Blue Pearl MATERIAL SAFETY DATA SHEET

#XL600092

SECTION I - IDENTIFICATION PRODUCT NAME: FROST BLUE PEARL Recommended use Additive Recommended restrictions None Known MANUFACTURER: Excel Autobody Products 2921 Syene Road, Madison, WI 53713 PRODUCT INFORMATION: (800) 957-0848

SECTION II - HAZARDOUS IDENTIFICATION

EMERGENCY TELEPHONE: 1-800-424-9300

Physical hazards Health hazards

Environmental hazards OSHA defined hazards Label elements

Signal word Hazard statement

Precautionary statement Prevention

Response

Storage

Disposal

Hazard(s) not otherwise classified (HNOC)

Supplemental information

Not classified. Acute toxicity, oral Acute toxicity, dermal Skin corrosion/irritation Serious eye damage/eye irritation Carcinogenicity Not classified. Not classified.





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Danger
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Harmful if swallowed. Toxic in contact with skin. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/ international regulations.

None known.

84% of the mixture consists of component(s) of unknown acute oral toxicity. 84% of the mixture consists of component(s) of unknown acute dermal toxicity.

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SECTION III

Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Mica Regulatory		12001-26-2	30 - < 50
- Titanium Dioxide		13463-67-7	30 - < 50
Butyl Cellosolve/Glycol Ether EB		111-76-2	5 - < 15
Tin Oxide Regulatory		18282-10-5	0 - < 5
Other components below reportable levels			5 - < 10

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION IV - FIRST AID Inhalation Skin contact	MEASURES Move to fresh air. Call a physician if symptoms develop or persist. Take off immediately all contaminated clothing. Wash with plenty of soap and water. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists
Ingestion	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off immediately all contaminated clothing. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
SECTION V - FIREFIGHT	ING MEASURES
SECTION V - FIREFIGHT Suitable extinguishing media	ING MEASURES Powder. Alcohol resistant foam. Water spray. Carbon dioxide (CO2).
Suitable extinguishing	
Suitable extinguishing media Unsuitable extinguishing	Powder. Alcohol resistant foam. Water spray. Carbon dioxide (CO2).
Suitable extinguishing media Unsuitable extinguishing media Specific hazards arising	 Powder. Alcohol resistant foam. Water spray. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire. During fire, gases hazardous to health may be formed. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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SECTION V - FIREFIGHTING MEASURES

Specific methods

General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials.

No unusual fire or explosion hazards noted.

SECTION VII - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Methods and materials for containment and cleaning up Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Avoid the generation of dusts during clean-up. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Excel Autobody Products

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SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION **Occupational exposure limits**

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	Form
Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)	PEL	240 mg/m3	
Titanium Dioxide (CAS 13463-67-7)	PEL	50 ppm 15 mg/m3	Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Туре	Value	
Mica Regulatory (CAS	TWA	20 mppcf	
12001-26-2)			

US. ACGIH Threshold Limit Values

Components	Туре	Value	Form
Butyl Cellosolve/Glycol	TWA	20 ppm	
Ether EB (CAS 111-76-2)			
Mica Regulatory (CAS	TWA	3 mg/m3	Respirable fraction.
12001-26-2)			
Tin Oxide Regulatory (CAS	TWA	2 mg/m3	
18282-10-5)			
Titanium Dioxide (CAS	TWA	10 mg/m3	
13463-67-7)			

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Туре	Value	
Butyl Cellosolve/Glycol	TWA	24 mg/m3	
Ether EB (CAS 111-76-2)			
		5 ppm	
Mica Regulatory (CAS 12001-26-2)	TWA	3 mg/m3	Respirable.
Tin Oxide Regulatory (CAS 18282-10-5)	TWA	2 mg/m3	

Biological limit values

pling Time	58	Specimen	Determinant	Value	Components
*		Creatinine in	Butoxyacetic	200 mg/g	Butyl Cellosolve/Glycol
		urine	acid (BAA),		
		urine	acid (BAA), with hydrolysis		

* - For sampling details, please see the source document.

Exposure guidelines US - California OELs: Skin designation Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2) Can be absorbed through the skin. US - Minnesota Haz Subs: Skin designation applies Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2) Skin designation applies. **US** - Tennessee OELs: Skin designation Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2) Can be absorbed through the skin. **US NIOSH Pocket Guide to Chemical Hazards: Skin designation** Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2) Can be absorbed through the skin. US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2) Can be absorbed through the skin.

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SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

 Skin protection
 Hand protection

 Hand protection
 Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

 Other
 Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards General hygiene considerations Wear appropriate thermal protective clothing, when necessary. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Solid.
Form	Powder.
Color	Pearlescent
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-102.64 °F (-74.8 °C) estimated
Initial boiling point and boiling	335.12 °F (168.4 °C) estimated
range	
Flash point	143.0 °F (61.7 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	3245.26 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient	Not available.
(n-octanol/water)	

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Auto-ignition temperature Decomposition temperature Viscosity Other information Density Flammability class Percent volatile 460.4 °F (238 °C) estimated Not available. Not available.

3.21 g/cm3 estimated Combustible IIIA estimated 10 w/w % By Weight 29.29 v/v % By Volume

Specific gravity

3.21 estimated

SECTION X - STABILITY AND REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

SECTION XI - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Inhalation Prolonged inhalation may be harmful. Skin contact Toxic in contact with skin. Causes skin irritation. 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans. Eye contact Causes serious eye irritation. Ingestion Harmful if swallowed. Symptoms related to the Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, physical, chemical and and blurred vision. Coughing. Skin irritation. May cause redness and pain. toxicological characteristics

Information on toxicological effects

Acute toxicity Toxic in contact with skin. Harmful if swallowed.

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PART NUMBER - #600092 PRODUCT NAME: FROST BLUE PEARL

SECTION XI - TOXICOLOGICAL INFORMATION Information on toxicological effects

Acute toxicity Components **Species Test Results** Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2) **Acute** Dermal LD50 400 mg/kg Rabbit Inhalation LC50 700 ppm, 7 Hours Mouse Rat 450 ppm, 4 Hours Oral LD50 Guinea pig 1.2 g/kg Mouse 1.2 g/kg Rabbit 0.32 g/kg Rat 560 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	
Serious eye damage/eye	
irritation	

Causes skin irritation. Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Skin sensitization Germ cell mutagenicity Not a respiratory sensitizer. This product is not expected to cause skin sensitization. No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. Suspected of causing cancer.

Carcinogenicity

 IARC Monographs. Overall Evaluation of Carcinogenicity

 Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)
 3 Not classifiable as to carcinogenicity to humans.

 Titanium Dioxide (CAS 13463-67-7)
 2B Possibly carcinogenic to humans.

 OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

 Not listed.
 This product is not expected to cause reproductive or developmental effects.

 Specific target organ toxicity - single exposure
 Not classified.

Not classified.

Specific target organ toxicity repeated exposure

Aspiration hazard Chronic effects Not an aspiration hazard. May be harmful if absorbed through skin. Prolonged inhalation may be harmful.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

Prolonged exposure may cause chronic effects.

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PART NUMBER - #600092 PRODUCT NAME: FROST BLUE PEARL SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results	
Butyl Cellosolve/Glycol Eth	er EB (CA	S 111-76-2)		
Aquatic				
Fish	LC50	Inland silverside (Menidia beryllina)	1250 mg/l, 96 hours	
Titanium Dioxide (CAS 134	63-67-7)			
Aquatic				
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours	
Fish	LC50	Mummichog (Fundulus heteroclitus)	> 1000 mg/l, 96 hours	
* Estimates for product may be based on additional component data not shown.				
Persistence and degradability No data is available on the degradability of this product.			s product.	
Bioaccumulative potential				
Partition coefficient n-oct	anol / wa	iter (log Kow)		
Butyl Cellosolve/Glycol Eth	er EB	0.83		
Mobility in soil	No data	available.		
Other adverse effects	photoch	r adverse environmental effects (e.g. o nemical ozone creation potential, endoo g potential) are expected from this com	crine disruption, global	

SECTION XIII - DISPOSAL CONSIDERATIONS

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/ international regulations.
Local disposal regulations Hazardous waste code	Dispose in accordance with all applicable regulations. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION XIV - TRANSPORT INFORMATION

The following transportation information is provided based on the manufacturer's interpretation of shipping regulations. Each shipper is responsible for identifying, naming, marking, and labeling prior to offering for transport. DOT

UN number	Not available.
UN proper shipping name	Consumer Commodity
Transport hazard class(es)	
Class	ORM-D
Subsidiary risk	-
Packing group	Not applicable.
Special precautions for user	Read safety instructions, SDS and emergency procedures
	before handling.
Packaging exceptions	156, 306

Packaging exceptions

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PART NUMBER - #600092 PRODUCT NAME: FROST BLUE PEARL SECTION XIV - TRANSPORT INFORMATION IATA

UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Packing group Environmental hazards Special precautions for user

Other information Passenger and cargo aircraft Cargo aircraft only

IMDG

UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Packin group Marine pollutant

EmS Special precautions for user

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available. Consumer Commodity

ORM-D

Not applicable. No. Read safety instructions, SDS and emergency procedures before handling.

Forbidden.

Forbidden.

Not available. Consumer Commodity

ORM-D

Not applicable. No. Not available. Read safety instructions, SDS and emergency procedures before handling. Not applicable.

Listed.

SECTION XV - REGULATORY INFORMATION

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

One or more components are not listed on TSCA.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Butyl Cellosolve/Glycol Ether EB (CAS 111-76-2)

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Hazard categories

Not listed.

No

SARA 311/312 Hazardous chemical

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Chemical name		CAS number	% by wt.
Butyl Cellosolve/Gly	col Ether EB	111-76-2	5 - < 15
Other federal regulations			
Clean Air Act (CAA)	Section 112 Haz	zardous Air Pollutants (HAPs) List	
Not regulated.			
	Section 112(r) A	ccidental Release Prevention (40 CFR 68.13	30)
Not regulated.			
Safe Drinking Wate	r Act Not regul	lated.	
(SDWA)			
US state regulations			
		s. CA Department of Justice	
(California Health a	ind Safety Code S	ection 11100)	
Not listed.			
		er Consumer Products Regulations	
(Cal. Code Regs, tit. 22, 695			
Butyl Cellosolve/Gly		111-76-2)	
Titanium Dioxide (CA			
US. Massachusetts RTK - Su			
Butyl Cellosolve/Gly		111-76-2)	
Mica Regulatory (CA			
Tin Oxide Regulatory		5)	
Titanium Dioxide (CA			
US. New Jersey Worker and (
Butyl Cellosolve/Gly		111-76-2)	
Mica Regulatory (CA			
Tin Oxide Regulatory		5)	
Titanium Dioxide (CA			
US. Pennsylvania Worker and			
Butyl Cellosolve/Gly		111-76-2)	
Mica Regulatory (CA			
Titanium Dioxide (CA	AS 13463-67-7)		
US. Rhode Island RTK			
Butyl Cellosolve/Gly		111-76-2)	
US. California Proposition 65			
•		emical known to the State of California to caus	se cancer.
US - California Proposition 6			
Titanium Dioxide (CA	AS 13463-67-7) L	isted: September 2, 2011	
International Inventories			
Country(s) or region	Inventory		On inventory (yes/
Australia		n Inventory of Chemical Substances (AICS)	
Canada		c Substances List (DSL)	
Canada		nestic Substances List (NDSL) No	
		of Existing Chemical Substances in China (IE)	CSC)
China	Europear	n Inventory of Existing Commercial Chemical	
China Europe		ces (EINECS)	
	Substand		S)
		n List of Notified Chemical Substances (ELINCS	
Europe	Europear	n List of Notified Chemical Substances (ELINCS / of Existing and New Chemical Substances (El	NCS)
Europe Europe	Europear Inventory		
Europe Japan	Europear Inventory Existing (of Existing and New Chemical Substances (El	
Europe Japan Korea New Zealand	Europear Inventory Existing (New Zeal	/ of Existing and New Chemical Substances (El Chemicals List (ECL) land Inventory	
Europe Japan Korea	Europear Inventory Existing (New Zeal Philipping	/ of Existing and New Chemical Substances (El Chemicals List (ECL)	
Europe Japan Korea New Zealand Philippines	Europear Inventory Existing (New Zeal Philipping (PICCS)	v of Existing and New Chemical Substances (El Chemicals List (ECL) land Inventory e Inventory of Chemicals and Chemical Substa	
Europe Japan Korea New Zealand	Europear Inventory Existing (New Zeal Philipping (PICCS)	/ of Existing and New Chemical Substances (El Chemicals List (ECL) land Inventory	

A "No" indicates that one or more components of the product are not listed or exempt from listing on inventory administered by the governing country(s).

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SECTION XVI - OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION Issue date 06-19-2015

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lssue date Version # Disclaimer

Our company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

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