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SnowWhite Part A

SECTION 1: Identification

Product identifier

Product name: SnowWhite Part A

Product code: EPSWR10

Recommended use of the product and restriction on use

Relevant identified uses: Opaque Casting Resin

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:Supplier:CanadaUnited StatesEcoPoxy IncEcoPoxy USA, IncBox 2207003 114th Ave. N.Morris, Manitoba R0G1K0Largo , Florida 33773855-326-76991-855-326-7699info@ecopoxy.cominfo@ecopoxy.comhttp://www.ecopoxy.comhttp://www.ecopoxy.com

Emergency telephone number:

United States

ChemTel Inc (US) +1 800 255 3924 (24)

SECTION 2: Hazard(s) identification

GHS classification:

Skin irritation, category 2 Skin sensitization, category 1 Germ cell mutagenicity, category 2

Label elements

Hazard pictograms:





Signal word: Warning

Hazard statements:

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H341 Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

Precautionary statements:

P264 Wash skin thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P272 Contaminated work clothing must not be allowed out of the workplace

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P201 Obtain special instructions before use

P202 Do not handle until all safety precautions have been read and understood

P302+P352 IF ON SKIN: Wash with plenty of water/ ...

P321 Specific treatment (see ... on this label)

P332+P313 If skin irritation occurs: Get medical advice/attention

P362 Take off contaminated clothing and wash it before reuse

P333+P313 If skin irritation or rash occurs: Get medical advice/attention

P363 Wash contaminated clothing before reuse

P308+P313 IF exposed or concerned: Get medical advice/attention

P405 Store locked up

P501 Dispose of contents/container to... **Hazards not otherwise classified:** None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 17557-23-2	1,3-Bis(2,3-epoxypropoxy)-2,2-dimethylpropane	1.5-7
CAS number: 68609-97-2	Oxirane, 2-((C12-14-alkyloxy)methyl) derivs.	1.5-7
CAS number: 25085-99-8	2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	30-70
CAS number: 471-34-1	Calcium Carbonate	12-20
CAS number: 13463-67-7	Titanium Dioxide	12-20

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Show this Safety Data Sheet to the doctor in attendance.

After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention.

After skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After eye contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so.

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Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

After swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

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Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Skin contact may result in redness, pain, burning and inflammation.

Dermal exposure may cause an allergic skin reaction. Symptoms may include irritation, redness, pain, rash, inflammation, itching, burning and dermatitis.

Delayed symptoms and effects:

Effects are dependent on exposure (dose, concentration, contact time).

Exposure may cause genetic defects. Effects are dependent on exposure (dose, concentration, contact time).

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable extinguishing media:

Do not use water jet.

Specific hazards during fire-fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways.

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Discharge into the environment must be avoided.

Methods and material for containment and cleaning up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Reference to other sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and storage

Precautions for safe handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for safe storage, including any incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	Calcium Carbonate	471-34-1	REL: 10 mg/m³ (Total)
	Calcium Carbonate	471-34-1	REL: 5 mg/m³ (Respirable)
	Titanium Dioxide	13463-67-7	Level Limit Value: 0.2 mg/m³ (LOQ - lowest feasible concentration)
	Titanium Dioxide	13463-67-7	REL-TWA: 0.3 mg/m³ (for ultra fine TiO2 - up to 10 hrs.)
	Titanium Dioxide	13463-67-7	IDLH: 5000 mg/m³
ACGIH	Titanium Dioxide	13463-67-7	8-Hour TWA: 10 mg/m³
OSHA	Titanium Dioxide	13463-67-7	8-Hour TWA-PEL: 15 mg/m³ (total dust)

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Not determined or not applicable.

Appropriate engineering controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Personal protection equipment

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Eye and face protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and body protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Respiratory protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

General hygienic measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	White Viscous Liquid
Odor	None
Odor threshold	Not Available
pH	6-8
Melting point/freezing point	Not Available
Initial boiling point/range	Not Available
Flash point (closed cup)	Not Available
Evaporation rate	Not Available
Flammability (solid, gas)	Not Available
Upper flammability/explosive limit	Not Available
Lower flammability/explosive limit	Not Available
Vapor pressure	Not Available
Vapor density	Not Available
Density	1.4
Relative density	Not Available
Solubilities	Not Available
Partition coefficient (n-octanol/water)	Not Available
Auto/Self-ignition temperature	Not Available
Decomposition temperature	Not Available
Dynamic viscosity	2000-3000 cP
Kinematic viscosity	Not Available
Explosive properties	Will Not Explode
Oxidizing properties	Not Oxidizing

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Other information

SECTION 10: Stability and reactivity

Reactivity:

Not reactive under recommended handling and storage conditions.

Chemical stability:

Stable under recommended handling and storage conditions.

Possibility of hazardous reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Conditions to avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Incompatible materials:

None known.

Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
1,3-Bis(2,3-epoxypropoxy)-2,2-dimethylpropane	oral	LD50 Rat: 3594 mg/kg
Oxirane, 2-((C12-14-alkyloxy)methyl) derivs.	oral	LC50 Rat: 17,000 mg/kg
Calcium Carbonate	dermal	LD50 Rat: >2000 mg/kg
	inhalation	LC50 Rat: >3 mg/L (4h Mist)
	oral	LD50 Rat: >2000 mg/kg
Titanium Dioxide	oral	LD50 Mouse: > 5000 mg/kg
	inhalation	LC50 Rat: 5.09 mg/L (4 hr)

Skin corrosion/irritation

Assessment:

Causes skin irritation.

Product data:

No data available.

Substance data:

Name	Result
1,3-Bis(2,3-epoxypropoxy)-2,2-dimethylpropane	Irritating to the skin.
Oxirane, 2-((C12-14-alkyloxy)methyl) derivs.	Causes skin irritation.

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Name	Result
2,2'-[(1- Methylethylidene)bis(4,1- phenyleneoxymethylene)]bisox irane homopolymer	Causes skin irritation.

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Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available. Substance data:

Name	Result
2,2'-[(1- Methylethylidene)bis(4,1- phenyleneoxymethylene)]bisox irane homopolymer	Causes serious eye irritation.

Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction.

Product data:

No data available.

Substance data:

Name	Result
1,3-Bis(2,3-epoxypropoxy)-2,2-dimethylpropane	May cause an allergic skin reaction.
Oxirane, 2-((C12-14-alkyloxy)methyl) derivs.	May cause an allergic skin reaction.
2,2'-[(1- Methylethylidene)bis(4,1- phenyleneoxymethylene)]bisox irane homopolymer	May cause an allergic skin reaction.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Species	Result
Titanium Dioxide	Not applicable. Airborne, unbound particles of respirable size are known to	
		cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Oxirane, 2-((C12-14-alkyloxy)methyl) derivs.	Not Applicable
2,2'-[(1- Methylethylidene)bis(4,1- phenyleneoxymethylene)]bisox irane homopolymer	Not Applicable

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Name	Classification
Titanium Dioxide	Group 2B

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National Toxicology Program (NTP):

Name	Classification
Oxirane, 2-((C12-14-alkyloxy)methyl) derivs.	Not Applicable
2,2'-[(1- Methylethylidene)bis(4,1- phenyleneoxymethylene)]bisox irane homopolymer	Not Applicable

OSHA Carcinogens: Not applicable

Germ cell mutagenicity

Assessment:

Suspected of causing genetic defects.

Product data:No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available. **Other information:**No data available.

SECTION 12: Ecological information

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Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
Calcium Carbonate	LC50 Gambusia affinis: >56000 mg/L (96 h)
	EC50 Activated sludge of a predominantly domestic sewage: >1000 mg/L (3 h)

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Persistence and degradability
Product data: No data available.

Substance data:

Name	Result
1,3-Bis(2,3-epoxypropoxy)-2,2-dimethylpropane	Readily biodegradable.
Oxirane, 2-((C12-14-alkyloxy)methyl) derivs.	Readily biodegradable in water (87% degradation after 28 days).
Titanium Dioxide	Degradation/biodegradation testing is not relevant for metals and metal compounds that are not (bio)degradable, including titanium dioxide.

Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
Oxirane, 2-((C12-14-alkyloxy)methyl) derivs.	BCF: 160 - 263 dimensionless (Not expected to bioaccumulate)
Calcium Carbonate	Bioaccumulation in organisms is not to be expected.

Mobility in soil

Product data: No data available.

Substance data:

Name	Result
Oxirane, 2-((C12-14-alkyloxy)methyl) derivs.	Immobile (log Koc: >5.63)

Results of PBT and vPvB assessment

Product data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT. **vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

Substance data:

PBT assessment:

1,3-Bis(2,3- epoxypropoxy)-2,2- dimethylpropane	The substance is not PBT.
Oxirane, 2-((C12-14-alkyloxy)methyl) derivs.	Substance is not PBT.

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Titanium Dioxide	According to Annex XIII of regulation (EC) 1907/2006 a PBT assessment shall not be conducted for inorganic substances. Titanium dioxide is an inorganic substance, thus a PBT assessment is not required.
vPvB assessment:	
1,3-Bis(2,3- epoxypropoxy)-2,2- dimethylpropane	The substance is not vPvB.
Oxirane, 2-((C12-14-alkyloxy)methyl) derivs.	Substance is not vPvB.
Titanium Dioxide	According to Annex XIII of regulation (EC) 1907/2006 a vPvB assessment shall not be conducted for inorganic substances. Titanium dioxide is an inorganic substance, thus a vPvB assessment is not required.

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Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	3082	
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., Marine Pollutant	
UN transport hazard class(es)	9	
Packing group	III	
Environmental hazards	Marine Pollutant	
Special precautions for user	None	

International Maritime Dangerous Goods (IMDG)

UN number	3082	
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., Marine Pollutant	
UN transport hazard class(es)	9	
Packing group	III	
Environmental hazards	Marine Pollutant	
Special precautions for user	None	

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

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UN number	3082	
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., Marine Pollutant	
UN transport hazard class(es)	9	
Packing group	III	
Environmental hazards	Marine Pollutant	
Special precautions for user	None	

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA): All ingredients are listed or exempt.

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances: None of the ingredients are listed.

SARA Section 313 toxic chemicals:

17557-23-2	1,3-Bis(2,3-epoxypropoxy)-2,2-dimethylpropane	Not Listed
68609-97-2	Oxirane, 2-((C12-14-alkyloxy)methyl) derivs.	Not Listed
25085-99-8	2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	Not Listed
471-34-1	Calcium Carbonate	Not Listed
13463-67-7	Titanium Dioxide	Not Listed

CERCLA: None of the ingredients are listed.

RCRA: None of the ingredients are listed.

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

17557-23-2	1,3-Bis(2,3-epoxypropoxy)-2,2-dimethylpropane	Not Listed
68609-97-2	Oxirane, 2-((C12-14-alkyloxy)methyl) derivs.	Not Listed
25085-99-8	2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	Not Listed
471-34-1	Calcium Carbonate	Listed
13463-67-7	Titanium Dioxide	Listed

New Iersev Right to Know:

17557-23-2	1,3-Bis(2,3-epoxypropoxy)-2,2-dimethylpropane	Not Listed
68609-97-2	Oxirane, 2-((C12-14-alkyloxy)methyl) derivs.	Not Listed

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	2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	Not Listed
471-34-1	Calcium Carbonate	Listed
13463-67-7	Titanium Dioxide	Listed

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New York Right to Know:

17557-23-2	1 /-	Not Listed
68609-97-2	1	Not Listed
25085-99-8		Not Listed
471-34-1		Not Listed
13463-67-7	Titanium Dioxide	Listed

Pennsylvania Right to Know:

17557-23-2		Not Listed
68609-97-2	· · · · · · · · · · · · · · · · ·	Not Listed
25085-99-8		Not Listed
471-34-1	Calcium Carbonate	Listed
13463-67-7	Titanium Dioxide	Listed

California Proposition 65:

▲WARNING: This product can expose you to Titanium Dioxide; which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

SECTION 16: Other information

Abbreviations and Acronyms: None **Disclaimer:**

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 0-0-0 **HMIS:** 0-0-0

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End of Safety Data Sheet