

**Excelsior EN-610 – Part A**  
Excelsior Epoxy Nose Filler Adhesive

Version	Revision Date:	MSDS Number:	Date of last issue: -
1.0	8/23/2016	EN-610 – Part A	Date of first issue: 03/04/2016

**SECTION 1. IDENTIFICATION**

**Product name** : Excelsior EN-610 - Part A

**Product Description** : Epoxy Nose Filler Adhesive

**Supplier** : RHC

**Address** : 1602 N. Union St.  
Fostoria, OH 44830

**Telephone** : (844) 393 - 4044

**Fax** : (419) 436 - 2482

**Emergency Telephone Number** : CHEMTREC: 1 (800) 424-9300  
CANUTEC: (613) 996 - 6666

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification** : H315 – Skin Irrit. 2  
H319 – Eye Irrit. 2A  
H317 – Skin Sens. 1  
H411 – Aquatic Chronic 2

See section 16 for full text of H-Phrases

**GHS Label Elements**

**Hazard Pictograms** :



**Signal Word** : Danger

**Hazard Statements** : H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H411 - Toxic to aquatic life with long lasting effects.

**Precautionary Statements** : P261 - Avoid breathing vapors, mist, or spray.  
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water

## Excelsior EN-610 – Part A

### Excelsior Epoxy Nose Filler Adhesive

Version 1.0	Revision Date: 8/23/2016	MSDS Number: EN-610 – Part A	Date of last issue: - Date of first issue: 03/04/2016
----------------	-----------------------------	---------------------------------	--

for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Other Hazards** : Exposure may aggravate those with pre-existing eye, skin or respiratory conditions.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Classification** : Mixtures

**Description** : Adhesive

#### Hazardous Components

CAS#	Chemical Name	Percentage
25068-38-6	Bisphenol A-epichlorohydrin polymer	10 - 30
15625-89-5	Trimethylolpropane triacrylate	10 – 30
14808-60-7	Quartz*	0.1 - 10

*\*This product contains a material that may be hazardous when present as an airborne dust. Since this product is in a liquid form, the material is not able to become airborne and cannot be inhaled. Thus, the hazards usually associated with this material are not applicable to this product.*

### SECTION 4. FIRST AID MEASURES

#### First Aid Measures

- General** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
- Inhalation** : If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
- Skin Contact** : In case of skin contact, remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.
- Eye Contact** : In case of eye contact, rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.
- Ingestion** : Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

#### Most Important Symptoms and effects, Both Acute and Delayed

- General** : Causes severe skin burns and eye damage. May cause an allergic reaction in sensitive individuals.

## Excelsior EN-610 – Part A

### Excelsior Epoxy Nose Filler Adhesive

Version 1.0	Revision Date: 8/23/2016	MSDS Number: EN-610 – Part A	Date of last issue: - Date of first issue: 03/04/2016
----------------	-----------------------------	---------------------------------	--

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- Inhalation** : May cause respiratory irritation.
- Skin Contact** : Causes skin irritation. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.
- Eye Contact** : Causes serious eye damage. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.
- Ingestion** : Not available.
- Chronic Symptoms** : None expected.

#### **Indications of Any Immediate Medical Attention and Special Treatment Needed**

If you feel unwell, seek medical attention (show product label where possible).

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### **SECTION 5. FIREFIGHTING MEASURES**

#### **Extinguishing Media**

- Suitable Extinguishing Media** : Use extinguishing media appropriate for area.
- Unsuitable Extinguishing Media** : Do not use heavy water stream, as this may spread fire.

#### **Specific Hazards Arising From Substance or Mixture**

- Fire Hazard** : Potentially violent decomposition can occur above 662° F (350 °C).
- Explosion Hazard** : Product is not explosive but if hazardous polymerization occurs can have an oxidizing effect that could lead to fire and possible explosion.
- Reactivity** : Hazardous reactions may occur on contact with certain chemicals. Refer to incompatible materials.

#### **Advice for Firefighting**

- Precautionary Measures While Firefighting** : Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes may be present.
- Specific Firefighting Instructions** : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray or fog to cool unopened containers. Do not allow run-off from firefighting to enter sewage systems or water course. Fire residues and contaminated fire

## Excelsior EN-610 – Part A

### Excelsior Epoxy Nose Filler Adhesive

Version 1.0	Revision Date: 8/23/2016	MSDS Number: EN-610 – Part A	Date of last issue: - Date of first issue: 03/04/2016
----------------	-----------------------------	---------------------------------	--

extinguishing water must be disposed of in accordance with local regulations.

**Specific Protection Equipment for Firefighters** : Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products** : Under fire conditions this material may produce hazardous carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), various low molecular weight hydrocarbons, and smoke.

**Other Information** : Refer to Section 9 for flammability properties.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment & Emergency Procedures** : Avoid all contact with skin, eyes or clothing. Do not breathe vapor, mist or spray. Use only outdoors or in a well-ventilated area.

**Instructions for Non-Emergency Personnel** : Use appropriate personal protection equipment (PPE). Evacuate unnecessary personnel.

**Instructions for Emergency Personnel** : Equip cleanup crew with proper protection. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area and call for assistance of trained personnel as soon as conditions permit.

**Environmental Precautions** : Do not allow product to reach sewage systems or water course. Inform respective authorities in case of seepage into sewage or water course.

**Methods & Materials for Containment and Cleaning Up** : Contain any spills with dikes or inert absorbent material (e.g. sand, diatomite, universal binder) to prevent migration into sewage systems and water course. Do not absorb with combustible materials, such as saw dust or cellulosic material. Clean up spills immediately and dispose of contaminated material according to section 13. Clean contaminated floors and objects thoroughly while observing environmental regulations. Inform respective authorities in case of seepage into sewage or water course. Use only non-sparking tools.

**Reference to Other Sections** : See Section 8 for information on personal protection. See section 13 for disposal information.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Additional Hazards When Processed** : Hazardous polymerization may occur if exposed to high temperature. Product to be handled in a closed system and under strictly controlled conditions.

## Excelsior EN-610 – Part A

### Excelsior Epoxy Nose Filler Adhesive

Version 1.0	Revision Date: 8/23/2016	MSDS Number: EN-610 – Part A	Date of last issue: - Date of first issue: 03/04/2016
----------------	-----------------------------	---------------------------------	--

**Hygiene Measures** : Handle in accordance with industrial hygiene best practices and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### **Conditions for Safe Storage, Including Any Incompatibilities**

**Technical Measures** : Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. Comply with applicable regulations.

**Storage Conditions** : Store in a dry, cool and well-ventilated area. Keep container closed when not in use. Keep in fireproof place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials** : Strong acids, strong bases, strong oxidizers. Nitrogen containing compounds, ammonium compounds.

**Specific End Use(s)** : No use specified.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Components with Workplace Control Parameters**

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

<b>Quartz (14808-60-7)</b>		
<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable fraction)
<b>USA ACGIH</b>	ACGIH chemical category	A2 - Suspected Human Carcinogen
<b>USA OSHA</b>	OSHA PEL (STEL) (mg/m <sup>3</sup> )	250 mppcf/%SiO <sub>2</sub> +5, 10mg/m <sup>3</sup> /%SiO <sub>2</sub> +2
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> (respirable dust)
<b>USA IDLH</b>	US IDLH (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup> (respirable dust)
<b>Alberta</b>	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable particulate)
<b>British Columbia</b>	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable)
<b>Manitoba</b>	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable fraction)
<b>New Brunswick</b>	OEL TWA (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> (respirable fraction)
<b>Newfoundland &amp; Labrador</b>	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable fraction)
<b>Nova Scotia</b>	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable fraction)
<b>Nunavut</b>	OEL TWA (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> (respirable mass)
<b>Northwest Territories</b>	OEL TWA (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> (respirable mass)
<b>Ontario</b>	OEL TWA (mg/m <sup>3</sup> )	0.10 mg/m <sup>3</sup> (designated substances regulation-respirable)

# SAFETY DATA SHEET



## Excelsior EN-610 – Part A Excelsior Epoxy Nose Filler Adhesive

Version 1.0      Revision Date: 8/23/2016      MSDS Number: EN-610 – Part A      Date of last issue: -  
Date of first issue: 03/04/2016

Prince Edward Island	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable fraction)
Québec	VEMP (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> (respirable dust)
Saskatchewan	OEL TWA (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> (respirable fraction)
Yukon	OEL TWA (mg/m <sup>3</sup> )	300 particle/mL

### Exposure Controls

- Engineering Controls** : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure, but are not required. Product to be handled under strictly controlled conditions. Ensure all national/local regulations are observed. Gas detectors should be used when toxic gases may be released. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits.
- Environmental Exposure Controls** : Do not allow product to be released into the environment.
- Consumer Exposure Controls** : Do not eat, drink or smoke during use.

### Personal Protective Equipment



- General:** : Wear protective goggles, gloves and protective clothing. In case of insufficient ventilation, wear respiratory protection.
- Material for Protective Clothing** : Chemically resistant materials and fabrics.
- Respiratory Protection** : If exposure limits may be exceeded or irritation is experienced, use a NIOSH-approved respirator or self-contained breathing apparatus.
- Hand Protection** : Wear chemically resistant protective gloves.
- Eye Protection** : Chemical goggles or safety glasses.
- Skin & Body Protection** : Wear suitable protective clothing.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

## Excelsior EN-610 – Part A

### Excelsior Epoxy Nose Filler Adhesive

Version 1.0	Revision Date: 8/23/2016	MSDS Number: EN-610 – Part A	Date of last issue: - Date of first issue: 03/04/2016
----------------	-----------------------------	---------------------------------	--

<b>Appearance</b>	: Paste – Viscous Liquid
<b>Color</b>	: Beige
<b>Odor</b>	: No data available
<b>Odor Threshold</b>	: No data available
<b>pH</b>	: No data available
<b>Evaporation Point</b>	: No data available
<b>Melting Point / Range</b>	: No data available
<b>Freezing Point</b>	: 32° F (0° C)
<b>Boiling Point / Range</b>	: >392° F (200° C)
<b>Flash Point</b>	: >200° F (93° C) Setaflash Method
<b>Flammability</b>	: No data available
<b>Auto-Ignition Temperature</b>	: No data available
<b>Decomposition Temperature</b>	: No data available
<b>Specific Gravity</b>	: 1.4
<b>Water Solubility</b>	: No data available
<b>Partition Coefficient (Noctanol/Water)</b>	: No data available
<b>Viscosity</b>	: ~72,000 CPS
<b>Explosion Data – Mechanical Impact</b>	: Not expected to present an explosion hazard due to mechanical impact
<b>Explosion Data – Static Discharge</b>	: Not expected to present an explosion hazard due to static discharge
<b>VOC Content</b>	: < 12 g/l (<0.1 lbs/gal)

#### SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	: Hazardous reactions are unlikely to occur under normal circumstances.
<b>Chemical Stability</b>	: Stable under recommended handling and storage conditions (see section 7)

**Excelsior EN-610 – Part A**  
 Excelsior Epoxy Nose Filler Adhesive

Version 1.0	Revision Date: 8/23/2016	MSDS Number: EN-610 – Part A	Date of last issue: - Date of first issue: 03/04/2016
----------------	-----------------------------	---------------------------------	--

<b>Possibility of Hazardous Reactions</b>	: Hazardous polymerization can occur in contact with certain incompatible materials.
<b>Conditions to Avoid</b>	: Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.
<b>Incompatible Materials</b>	: Strong acids. Strong bases. Strong oxidizers. Amines. Fluorine. Ammonium salts.
<b>Hazardous Decomposition Products</b>	: Under fire conditions this material may produce hazardous carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO), various low molecular weight hydrocarbons, and smoke.

**SECTION 11. TOXICOLOGICAL INFORMATION**
**Toxicological Effects (Product)**

<b>Acute Toxicity</b>	: Not available
<b>Skin Corrosion / Irritation</b>	: Causes skin irritation.
<b>Serious Eye Damage / Irritation</b>	: Causes serious eye irritation.
<b>Respiratory or Skin Sensitization:</b>	: May cause an allergic skin reaction.
<b>Germ Cell Mutagenicity</b>	: Not classified
<b>Teratogenicity</b>	: Not classified
<b>Carcinogenicity</b>	: Not classified
<b>Reproductive Toxicity</b>	: Suspected of damaging fertility or the unborn child (oral).
<b>Aspiration Hazard</b>	: Not classified
<b>Specific Target Organ Toxicity (Single or Repeated Exposure)</b>	: Not classified
<b>Symptoms / Injuries After Inhalation</b>	: May cause respiratory irritation
<b>Symptoms / Injuries After Skin Contact</b>	: Causes skin irritation. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.
<b>Symptoms / Injuries After Skin Contact</b>	: Causes serious eye irritation. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.

## Excelsior EN-610 – Part A

### Excelsior Epoxy Nose Filler Adhesive

Version 1.0      Revision Date: 8/23/2016      MSDS Number: EN-610 – Part A      Date of last issue: -  
Date of first issue: 03/04/2016

**Symptoms / Injuries After Skin Contact** : Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms** : Suspected of damaging fertility or the unborn child (oral).

#### Toxicological Effects (Ingredients)

**Acute toxicity** :

<b>Bisphenol A-epichlorohydrin polymer (25068-38-6)</b>	
LD50 Oral Rat	> 2000 mg/kg
LD50 Dermal Rat	> 2000 mg/kg

<b>Trimethylolpropane triacrylate (15625-89-5)</b>	
LD50 Dermal Rabbit	5000 mg/kg

<b>Quartz (14808-60-7)</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 5000 mg/kg

<b>Quartz (14808-60-7)</b>	
IARC Group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.

## SECTION 12. ECOLOGICAL INFORMATION

### Toxicity

**Ecology - General** : Harmful to aquatic life with long lasting effects.

**Ecotoxicity** :

<b>Bisphenol A-epichlorohydrin polymer (25068-38-6)</b>	
LOEC (acute)	1 mg/l Daphnia magna
NOEC chronic crustacea	0.3 mg/l Daphnia magna

**Persistence & Degradability** : Not available

**Bioaccumulative Potential** : Not available

**Mobility in Soil** : Not available

**Other Adverse Effects** : None known

**Excelsior EN-610 – Part A**  
Excelsior Epoxy Nose Filler Adhesive

Version	Revision Date:	MSDS Number:	Date of last issue: -
1.0	8/23/2016	EN-610 – Part A	Date of first issue: 03/04/2016

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

- Sewage Disposal Recommendations** : This material is hazardous to the aquatic environment. Keep out of sewers and waterways. Do not empty into drains; dispose of this material and its container in a safe way.
- Waste Disposal Recommendations** : Dispose of waste material in accordance with international, national, federal, state/provincial and local regulations.
- Ecology – Waste Materials** : Avoid release to the environment.

**SECTION 14. TRANSPORT INFORMATION**

**In Accordance with DOT** : Not regulated.

**In Accordance with IMDG**

- Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol A-(epichlorhydrin); epoxy resin)
- Hazard Class** : 9
- Identification Number** : UN3082
- Label Codes** : 9
- Packing Group** : III
- EMS-No. (Fire)** : F-A
- EMS-No. (Spillage)** : S-F
- Marine Pollutant** : Marine Pollutant



# SAFETY DATA SHEET



## Excelsior EN-610 – Part A Excelsior Epoxy Nose Filler Adhesive

Version 1.0      Revision Date: 8/23/2016      MSDS Number: EN-610 – Part A      Date of last issue: -  
Date of first issue: 03/04/2016

### In Accordance with IATA

**Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol A-(epichlorhydrin); epoxy resin)

**Packing Group** : III

**Hazard Class**

**Identification Number** : UN3082

**Label Codes** : 9

**ERG Code (IATA)** : 9L



In Accordance with TDG : Not regulated.

## SECTION 15. REGULATORY INFORMATION

### US Federal Regulations

**SARA 311/312** : Immediate (acute) health hazard  
**Hazard Classes (Product)** : Delayed (chronic) health hazard

#### **Bisphenol A-epichlorohydrin polymer (25068-38-6)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### **Quartz (14808-60-7)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### **Trimethylolpropane triacrylate (15625-89-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### US State Regulations

#### **Quartz (14808-60-7)**

**U.S. - California - Proposition 65 - Carcinogens List**

WARNING: This product contains chemicals known to the State of California to cause cancer.

#### **Quartz (14808-60-7)**

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

## Excelsior EN-610 – Part A

### Excelsior Epoxy Nose Filler Adhesive

Version 1.0      Revision Date: 8/23/2016      MSDS Number: EN-610 – Part A      Date of last issue: -  
Date of first issue: 03/04/2016

#### Canadian Regulations

##### WHMIS Classification



: Class D Division 2 Subdivision A - Very toxic material causing other toxic effects  
Class D Division 2 Subdivision B - Toxic material causing other toxic effects  
Class E - Corrosive Material

<b>Bisphenol A-epichlorohydrin polymer (25068-38-6)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
<b>Quartz (14808-60-7)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
<b>Trimethylolpropane triacrylate (15625-89-5)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this SDS contains all of the information required by CPR.

#### **SECTION 16. OTHER INFORMATION**

**Revision Date** : 8.23.2016

**Other Information** : This document has been prepared in accordance with the SDS requirements of OSHA Hazard Communication Standard 29 CFR 1910.1200.

**GHS Full Text Phrases** :

GHS Code	GHS Phrase
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release 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 or in any process, unless specified in the text.