

# SAFETY DATA SHEET

## EASY NOVO

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations



### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	<b>EASY NOVO</b> (Product Code: 725)	
CHEMICAL FAMILY NAME:	Epoxy resin	
U.N. NUMBER:	N/A	
U.N. DANGEROUS GOODS CLASS:	N/A	
HS Code:	Non-Regulated Material	
SUPPLIER/MANUFACTURER'S NAME:	3208.90.00.00	
ADDRESS:	Royal Coatings, Inc.	
<b>EMERGENCY PHONE:</b>	<b>TOLL-FREE in USA/Canada</b>	800-255-3924
BUSINESS PHONE:	<b>International calls</b>	01-813-248-0585
EMAIL ADDRESS:	504-392-8811	
WEB SITE INFORMATION:	info@royalcoatings.net	
DATE OF PREPARATION:	<a href="http://www.royalcoatings.net">www.royalcoatings.net</a>	
DATE OF LAST REVISION:	September 10, 2018	
	December 1, 2020	

### SECTION 2 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** This product is a beige/off-white colored liquid with no odor. Prolonged contact may cause skin and eye irritation. Ingestion may cause gastric distress. The environmental effects of this product have not been investigated.

#### US DOT SYMBOLS

Non-Regulated

#### CANADA (WHMIS) SYMBOLS



#### EUROPEAN and (GHS) Hazard Symbols



Signal Word: **Warning!**

#### EU LABELING AND CLASSIFICATION:

Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex 1

Ingredients of this substance are not classified in the Annex I of Directive 67/548/EEC

#### GHS Hazard Classification(s):

Carcinogenicity Category 2  
Skin Sensitizer Category 1  
Skin Irritant Category 2  
Eye Irritant Category 2B

#### Hazard Statement(s):

H351: Suspected of causing cancer  
H315: Causes skin irritation  
H317: May cause an allergic skin reaction.  
H320: Causes eye irritation

#### Precautionary Statement(s):

P202: Do not handle until all safety precautions have been read and understood  
P261: Avoid breathing vapors  
P264: Wash hands thoroughly after handling  
P273: Avoid release to the environment  
P280: Wear protective gloves/protective clothing/eye protection/face protection

#### EU HAZARD CLASSIFICATION PER DIRECTIVE 1999/45/EC:

Carc Cat 3 (Category 3 carcinogens), [Xi] Irritant

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### Risk Phrases:

R36/37/38: Irritating to eyes, respiratory system and skin  
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed  
R43: May cause sensitization by skin contact  
R45: May cause cancer.

### Safety Phrases:

S2: Keep out of the reach of children  
S23: Do not breathe gas/fumes/vapour/spray  
S24: Avoid contact with skin  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37: Wear suitable protective clothing and gloves.  
S46: If swallowed, seek medical advice immediately and show label.

### HEALTH HAZARDS OR RISKS FROM EXPOSURE:

#### ACUTE:

**INHALATION:** Inhalation of this product is irritating to the upper respiratory tract.

**EYE:** May cause irritation.

**SKIN:** Contact with skin may cause severe irritation including burns, blistering, and scar formation. May cause sensitization.

**INGESTION:** Ingestion may cause gastrointestinal irritation including pain, vomiting or diarrhea.

**CHRONIC:** None known

**TARGET ORGANS:** ACUTE: Eye, Respiratory System, Skin CHRONIC: None Known

## SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Phenol (Bisphenol A)	108-95-2	203-632-7	0070	< 1%	HAZARD CLASSIFICATION: : [Xi] Irritant, [N] Dangerous for the Environment RISK PHRASES: 36/37/38
Epichlorohydrin (1-chloro-2,3-epoxypropane)	106-89-8	203-439-8	0043	< 1%	HAZARD CLASSIFICATION: Carc Cat 3, [Xn] Harmful RISK PHRASES: R20/21/22, R45
Epoxy Resins	Not Listed	Not Listed	Not listed.	Balance	HAZARD CLASSIFICATION: None RISK PHRASES: None
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

**NOTE:** ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

## SECTION 4 - FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

**EYE CONTACT:** If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if blurred vision occurs or irritation persists.

**SKIN CONTACT:** Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.

**INHALATION:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

**INGESTION:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing skin problems may be aggravated by prolonged exposure to this product.

**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms and reduce over-exposure.

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### SECTION 5 - FIRE-FIGHTING MEASURES

**FLASH POINT:**

**AUTOIGNITION TEMPERATURE:**

**FLAMMABLE LIMITS (in air by volume, %):**

**FIRE EXTINGUISHING MATERIALS:**

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Explosion Sensitivity to Mechanical Impact:

Explosion Sensitivity to Static Discharge:

**SPECIAL FIRE-FIGHTING PROCEDURES:**

Non-Flammable

Not Applicable

Lower (LEL): Not Applicable Upper (UEL): Not Applicable

Water, carbon dioxide, foam, or dry chemical

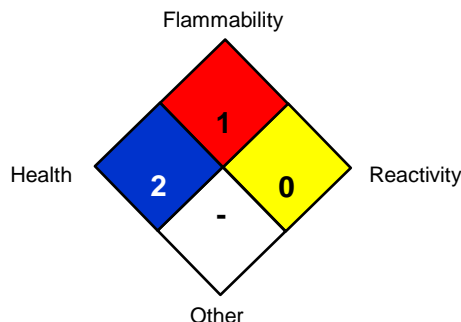
None Known

Not Available

Not Available

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

#### NFPA RATING SYSTEM



#### HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)			2
FLAMMABILITY HAZARD (RED)			1
PHYSICAL HAZARD (YELLOW)			1
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

**Hazard Scale:** 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** Personnel should be trained for spill response operations.

**SPILLS:** Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Soak up with an absorbent material and place in an appropriate container for disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

### SECTION 7 - HANDLING and STORAGE

**WORK PRACTICES AND HYGIENE PRACTICES:** As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors/mists/sprays generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

**STORAGE AND HANDLING PRACTICES:** Containers of this product must be properly labeled. Store containers in a cool, dry location. Keep container tightly closed when not in use. Store away from incompatible materials.

### SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

**EXPOSURE LIMITS/GUIDELINES:**

Chemical Name	CAS#	ACGIH TWA	OSHA TWA
Phenol (Bisphenol A)	108-95-2	0.5 ppm	5 ppm
Epichlorohydrin	106-89-8	0.5 ppm	5 ppm

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Epoxy Resin	Not Listed	Not listed.	Not listed.
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Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**RESPIRATORY PROTECTION:** Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**EYE PROTECTION:** Splash goggles or safety glasses with side shields recommended. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**HAND PROTECTION:** Compatible protective gloves recommended. Wash hands after removing gloves. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

**BODY PROTECTION:** Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

## SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Liquid
<b>APPEARANCE &amp; ODOR:</b>	Beige/off-white liquid with no odor.
<b>ODOR THRESHOLD (PPM):</b>	Not Available
<b>VAPOR PRESSURE (mmHg):</b>	Not Available
<b>VAPOR DENSITY (AIR=1):</b>	Not Available
<b>LIQUID DENSITY</b>	Not Available
<b>EVAPORATION RATE (nBuAc = 1):</b>	Not Available
<b>BOILING POINT (C°):</b>	Not Available
<b>FREEZING POINT (C°):</b>	Not Available
<b>pH:</b>	Not Applicable
<b>SPECIFIC GRAVITY 20°C: (WATER =1)</b>	1.15-1.3
<b>SOLUBILITY IN WATER (%)</b>	Insoluble
<b>VOC:</b>	Refer to EPA Method 24 data
<b>MOLECULAR WEIGHT</b>	Not Available
<b>TYPICAL DENSITY</b>	1.3 +/- 0.1

## SECTION 10 - STABILITY and REACTIVITY

**STABILITY:** Product is stable

**DECOMPOSITION PRODUCTS:** When heated to decomposition this product produces Oxides of carbon (COx), and fumes.

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** Strong acids, strong oxidizers and metallic compounds

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Heat, flame, and strong oxidizing agents.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**TOXICITY DATA:** Toxicity data is available for CAS# 108-95-2 of this product:

LD<sub>50</sub> Oral, Rat = 317 mg/kg

LD<sub>50</sub> Inhalation, Rat = 316 mg/m<sup>3</sup>

LD<sub>50</sub> Skin, Rabbit = 630 mg/kg

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Toxicity data is available for CAS# 106-89-8 of this product:

LD<sub>50</sub> Oral, Rat = 90 mg/kg

LD<sub>50</sub> Inhalation, Rat = 250 ppm

LD<sub>50</sub> Skin, Rabbit = 515 mg/kg

**SUSPECTED CANCER AGENT:** None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST and CAL/OSHA. CAS# 108-95-2 is classified as an *IARC Group 3 Not classifiable as to its carcinogenicity to humans*. CAS# 106-89-8 is classified as an *IARC Group 2A Probably carcinogenic to humans* and is *Reasonably Anticipated To Be a Human Carcinogen* according to the NTP.

**IRRITANCY OF PRODUCT:** Contact with this product can be irritating to exposed skin, eyes and respiratory system.

**SENSITIZATION OF PRODUCT:** This product contains an ingredient that is considered a sensitizer causing allergic reaction.

**REPRODUCTIVE TOXICITY INFORMATION:** No information concerning the effects of this product and its components on the human reproductive system.

## SECTION 12 - ECOLOGICAL INFORMATION

**ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.**

**ENVIRONMENTAL STABILITY:** No Data available at this time.

**EFFECT OF MATERIAL ON PLANTS or ANIMALS:** No evidence is currently available on this product's effects on plants or animals.

**EFFECT OF CHEMICAL ON AQUATIC LIFE:**

Ecotoxicity data is available for CAS# 108-95-2 of this product:

Oncorhynchus mykiss, Fish 96hr LC<sub>50</sub>, 8.9 mg/l

Daphnia magna, Crustacea 24hr EC<sub>50</sub>, 21 mg/l

Ecotoxicity data is available for CAS# 106-89-8 of this product:

Salmo gairdneri, Fish 48hr LC<sub>50</sub>, 19 mg/l

Daphnia magna, Crustacea 24hr EC<sub>50</sub>, 30 mg/l

## SECTION 13 - DISPOSAL CONSIDERATIONS

**PREPARING WASTES FOR DISPOSAL:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

## SECTION 14 - TRANSPORTATION INFORMATION

**US DOT: IATA: IMO: ADR:**

**THIS PRODUCT IS HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.**

**PROPER SHIPPING NAME:** Non-Regulated Material

**HAZARD CLASS NUMBER and DESCRIPTION:** None

**UN IDENTIFICATION NUMBER:** NA

**PACKING GROUP:** NA

**DOT LABEL(S) REQUIRED:** NA

**NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004):** NA

**MARINE POLLUTANT:** None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

**U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:**

This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

**TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:**

This product is not classified as Dangerous Goods, per regulations of Transport Canada.

**INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):**

This product is not classified as Dangerous Goods, by rules of IATA:

**INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:**

This product is not classified as Dangerous Goods by the International Maritime Organization.

**EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):**

This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

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## SECTION 15 - REGULATORY INFORMATION

### UNITED STATES REGULATIONS

**SARA REPORTING REQUIREMENTS:** This product is subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows:

Section 304 Reportable Quantity (RQ): 100 lb (45.4 kg) for CAS# 106-89-8; 1000 lb (454 kg) for CAS# 108-95-2.

SARA 313 Codes: CAS# 106-89-8 and CAS# 108-95-3 are both subject to reporting under section 313.

SARA Toxic Chemical (40 CFR 372.65): CAS# 106-89-8 and CAS# 108-95-3 are listed.

**TSCA:** All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

#### SARA 311/312:

Acute Yes      Chronic Health: No      Fire: No      Reactivity: No  
Health:

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are specific Threshold Planning Quantities for this product: 1000 lb (45.4 kg) for CAS# 106-89-8 and 10000 lb (4540 kg) for CAS# 108-95-2.

**U.S. CERCLAREPORTABLE QUANTITY (RQ):** 100 lb (45.4 kg) for CAS# 106-89-8; 1000 lb (454 kg) for CAS# 108-95-2.

**CLEAN WATER ACT:** This product is not listed as a priority pollutant under the CWA.

**STATE REGULATIONS:** CAS# 106-89-8 and CAS# 108-95-2 are listed on the following state right to know lists: Massachusetts, Pennsylvania, and New Jersey.

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** CAS# 106-89-8 is listed on the California Proposition 65 lists as a chemical known to cause cancer and birth defects or other reproductive harm.

### CANADIAN REGULATIONS:

**CANADIAN DSL/NDL INVENTORY STATUS:** All of the components of this product are on the DSL Inventory

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:** CAS# 108-95-2 of this product is listed on the CEPA First Priorities Substance Lists.

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:** This product has been classified as a Class D Division 2: Materials Causing Other Toxic Effects Subdivision B: Very Toxic Material as per the Controlled Product Regulations.

### EUROPEAN ECONOMIC COMMUNITY INFORMATION:

#### **EU LABELING AND CLASSIFICATION:**

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

### AUSTRALIAN INFORMATION FOR PRODUCT:

**AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS:** All components of this product are listed on the AICS.

**STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS:** Not applicable.

### JAPANESE INFORMATION FOR PRODUCT:

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:** The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

### INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed or Exempt
Australian Inventory of Chemical Substances (AICS):	Listed or Exempt
Korean Existing Chemicals List (ECL):	Listed or Exempt
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed or Exempt
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Listed or Exempt
Swiss Giftlist List of Toxic Substances:	Listed or Exempt
U.S. TSCA:	Listed or Exempt

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## SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett

SDS Authoring PLUS

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