

Revision Number 1.1

Revision Date 10-Aug-2017

Section 1: IDENTIFICATION**Product identifier****Product Name** CONAPOXY® FR-1820 Part A Resin**Other means of identification****Product Code(s)** 0036002**Recommended use of the chemical and restrictions on use****Recommended Use** Potting and encapsulating**Details of the supplier of the safety data sheet****Manufacturer Address**ELANTAS PDG, INC.
1405 Buffalo Street
Olean, New York 14760**Emergency telephone number****Company Phone Number** (716) 372-9650**E-mail address** Ross.Roberson@altana.com**Emergency Telephone** INFOTRAC - 1-800-535-5053**Section 2: HAZARDS IDENTIFICATION****Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1B
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B

Hazards not otherwise classified (HNOC)

Not applicable

Label elements**Danger****Hazard statements**Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause genetic defects
May cause cancer

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Appearance Viscous liquid	Physical state Liquid	Odor Characteristic
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Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Wash face, hands and any exposed skin thoroughly after handling
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Contaminated work clothing should not be allowed out of the workplace
 Wear protective gloves

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water
 Take off contaminated clothing and wash before reuse
 If skin irritation or rash occurs: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Information

May be harmful if swallowed

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical nature Mixture.

Chemical name	CAS No.	Weight-%	Trade secret
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymeth	25085-99-8	30 - 40	*

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ylene]]bis-, homopolymer			
Neopentyl glycol diglycidyl ether	17557-23-2	5 - 10	*
Kaolin	1332-58-7	1 - 5	*
Triethyl phosphate	78-40-0	1 - 5	*
Carbon black	1333-86-4	0.1 - 1	*
Solvent naphtha (petroleum), light arom.; low boiling point naphtha - unspecified	64742-95-6	0.1 - 1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: FIRST AID MEASURES

Description of first aid measures

Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	CAUTION: Use of water spray when fighting fire may be inefficient.
Specific hazards arising from the chemical	No information available.
Hazardous combustion products	Carbon monoxide. Nitrogen oxides (NOx).
Explosion data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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Personal precautions Ensure adequate ventilation.

Environmental precautions

Environmental precautions Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of waterways. Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Methods for containment Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

Methods for cleaning up Pick up and transfer to properly labeled containers.

Reference to other sections See section 13 for more information.

Section 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Contents under pressure. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. See section 8 for more information. Take precautionary measures against static discharges. S53 - Avoid exposure - obtain special instructions before use. Dispose of in accordance with local regulations.

Conditions for safe storage, including any incompatibilities

Storage Conditions Observe technical data sheet. P210 - Keep away from heat. - No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Observe all label precautions until container is cleaned, reconditioned or destroyed.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	AIHA - Workplace Environmental Exposure Levels (WEELs) - TWAs
Triethyl phosphate 78-40-0	No data available	-	7.45 mg/m ³ TWA
Carbon black 1333-86-4	TWA: 3 mg/m ³ inhalable particulate matter	TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³	

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

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Appropriate engineering controls

Engineering controls Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Face protection shield. Tight sealing safety goggles.

Hand protection Impervious gloves.

Skin and body protection Impervious clothing. Wear suitable protective clothing.

Respiratory protection Use appropriate respiratory protection.

Environmental exposure controls Local authorities should be advised if significant spillages cannot be contained.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid
Appearance Viscous liquid
Color black
Odor Characteristic
Odor threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range		None known
Flash point	> 100 °C / 212 °F	Tag Closed Cup
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	1.55	
Water solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No information available	
Oxidizing properties	No information available	

Other Information

Softening point No information available
Molecular weight No information available
VOC Content (%) No information available
Liquid Density No information available

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Bulk density No information available

Section 10: STABILITY AND REACTIVITY

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Heat, flames and sparks.

Incompatible materials Acids. Bases. Amines. Oxidizing agent.

Hazardous decomposition products Carbon oxides. oxides of phosphorus. Phenols.

Section 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 4,692.00 mg/kg

Unknown acute toxicity No information available

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Neopentyl glycol diglycidyl ether 17557-23-2	= 4500 mg/kg (Rat)	-	-
Triethyl phosphate 78-40-0	1100 - 1600 mg/kg (Rat) = 1165 mg/kg (Rat)	-	-
Carbon black 1333-86-4	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	-
Solvent naphtha (petroleum), light arom.; low boiling point naphtha - unspecified 64742-95-6	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

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Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Carbon black 1333-86-4	A3	Group 2B	-	X

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target organ effects Respiratory system, Gastrointestinal tract (GI).

Subchronic toxicity Not applicable.

Neurological effects None known.

Other adverse effects No information available.

Aspiration hazard No information available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity No information available.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Carbon black 1333-86-4	-	-	-	5600: 24 h Daphnia magna mg/L EC50
Solvent naphtha (petroleum), light arom.; low boiling point naphtha - unspecified 64742-95-6	-	9.22: 96 h Oncorhynchus mykiss mg/L LC50	-	6.14: 48 h Daphnia magna mg/L EC50

Persistence and degradability No information available.

Bioaccumulation There is no data for this product.

Bioconcentration factor (BCF) No data available

Component Information

Chemical name	Partition coefficient
Triethyl phosphate 78-40-0	1.11

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Mobility No information available.

Other adverse effects No information available.

Section 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations.

Contaminated packaging Do not reuse empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty remaining contents.

US EPA Waste Number U239

Section 14: TRANSPORT INFORMATION

DOT

UN/ID no. UN3082
Proper shipping name Environmentally hazardous substance, liquid, n.o.s. [neopentyl glycol diglycidyl ether]
Hazard Class 9
Packing Group III

IATA

UN/ID no. UN3082
Proper shipping name Environmentally hazardous substance, liquid, n.o.s. [neopentyl glycol diglycidyl ether]
Hazard Class 9
Packing Group III

IMDG

UN/ID no. UN3082
Proper shipping name Environmentally hazardous substance, liquid, n.o.s. [neopentyl glycol diglycidyl ether]
Hazard Class 9
Packing Group III

Section 15: REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL/NDSL Complies

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

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Per the June 13, 2016 Federal Register notice, EPA harmonized the EPCRA 311/312 hazard categories with the 2012 OSHA hazard communication standard for classifying and labeling chemicals (i.e. GHS). Please refer to Section 2 of the SDS to identify the appropriate hazard categories for reporting purposes.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
Carbon black - 1333-86-4	Carcinogen

U.S. State Right-to-Know Regulations

US State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Kaolin 1332-58-7	X	X	X
Carbon black 1333-86-4	X	X	X

U.S. EPA Label Information

Section 16: OTHER INFORMATION

NFPA

Chronic Hazard Star Legend

Health hazards 2

* = Chronic Health Hazard

Flammability 1

Instability 0

HMIS

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Revision Note

Disclaimer

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.

End of Safety Data Sheet