SAFETY DATA SHEET



1. Identification

Product identifier NOVOCOAT™ R1900 QUICK REPAIR PART B

Other means of identification None.

Recommended use Not available. **Recommended restrictions** None known.

Manufacturer/Importer/Supplier/Distributor information

ErgonArmor, a division of Ergon Asphalt & Emulsions, Inc. **Company Name**

Address 2829 Lakeland Drive Jackson, MS 39232

After hours telephone

number

Normal work hours telephone number

1-877-982-7667

1-800-222-7122

Website

www.ergonarmor.com sds@ergon.com

Emergency 24-hour telephone number

CHEMTREC: North America 1-800-424-9300 International 1-800-527-3887

Information on operation

hours

E-mail

8:00 a.m. to 5:00 p.m.

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation Category 1

> Serious eye damage/eye irritation Category 1 Sensitization, skin Category 1 Germ cell mutagenicity Category 2 Specific target organ toxicity, repeated Category 2

exposure

Environmental hazards Not classified. **OSHA** defined hazards Not classified.

*Hazards not stated here are "Not classified", "Not applicable" or "Classification not possible".

Label elements



Signal word Danger

Hazard statement Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious

eye damage. Suspected of causing genetic defects. May cause damage to organs through

prolonged or repeated exposure.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective

gloves/protective clothing/eye protection/face protection.

Response IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Specific treatment see Section 4 of this

SDS. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON

CENTER/doctor. If skin irritation or rash occurs: Get medical advice/attention. Wash

contaminated clothing before reuse.

Storage Store locked up.

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

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
2,4,6-TRIS(DIMETHYLAMINOMETH YL)PHENOL		90-72-2	1 - 10
3-AMINOPROPYLTRIETHOXYSILAN E		919-30-2	1 - 10
PHENOL		108-95-2	1 - 10
QUARTZ		14808-60-7	1 - 10
TRIETHYLENETETRAMINE		112-24-3	1 - 10
ETHANOL		64-17-5	0.1

4. First-aid measures

Inhalation Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if

victim inhaled the substance. Call a physician or poison control center immediately.

Skin contact Immediately flush skin with plenty of water. Remove contaminated clothing. Get medical attention

immediately. Wash clothing separately before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention

immediately.

IngestionRinse mouth. Do not induce vomiting. If vomiting occurs, the head should be kept low so that

stomach vomit doesn't enter the lungs. Get medical attention.

Most important symptoms/effects, acute and

delayed

Indication of immediate medical attention and special treatment needed

Causes serious eye damage. Burning pain and severe corrosive skin damage. Contact may cause redness, burning, drying, and cracking of the skin, and skin damage. May cause allergic skin reaction. Dermatitis. Rash.

In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information In the

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). 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.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Fire may produce irritating, corrosive and/or toxic gases.

Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.

Fire fighting equipment/instructions

Water runoff can cause environmental damage. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and

face mask.

Specific methods Use water spray to cool unopened containers.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep people away from and upwind of spill/leak. Keep out of low areas. Ventilate closed spaces before entering them. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid breathing mist/vapors. Ensure adequate ventilation.

Methods and materials for containment and cleaning up

Extinguish all flames in the vicinity.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Collect spillage. Following product recovery, flush area with water. Prevent product from entering drains. Do not allow material to contaminate ground water system.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water.

7. Handling and storage

Precautions for safe handling

Wear appropriate personal protective equipment. Avoid eating, drinking and smoking when using the product. Wash hands after handling. Observe good industrial hygiene practices. Avoid contact with eyes, skin, and clothing. Do not breathe mist or vapor. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Keep away from heat, sparks and open flame. Provide good ventilation. Use non-sparking tools and explosion-proof equipment. Remove and wash contaminated clothing promptly. Do not empty into drains. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Store locked up. Do not store this material in open or unlabeled containers. Store in a cool, dry place out of direct sunlight. Keep container in a well-ventilated place.

8. Exposure controls/personal protection

Occupational exposure limits

Components	Туре	Value	Form
ETHANOL (CAS 64-17-5)	PEL	1900 mg/m3	
		1000 ppm	
PHENOL (CAS 108-95-2)	PEL	19 mg/m3	
		5 ppm	
QUARTZ (CAS 14808-60-7)	PEL	0.05 mg/m3	Respirable dust.
US. OSHA Table Z-3 Permissible	Exposure Limits (PEL) for M	lineral Dusts (29 CFR 1910.1	000)
Components	Туре	Value	Form
QUARTZ (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable.
,		2.4 mppcf	Respirable.
	es (TLV)	2.4 mppcf	Respirable.
US. ACGIH Threshold Limit Value	es (TLV) Type	2.4 mppcf Value	Respirable. Form
US. ACGIH Threshold Limit Value			·
US. ACGIH Threshold Limit Value Components	Туре	Value	·
US. ACGIH Threshold Limit Value Components ETHANOL (CAS 64-17-5)	Type STEL	Value 1000 ppm	·
US. ACGIH Threshold Limit Value Components ETHANOL (CAS 64-17-5) PHENOL (CAS 108-95-2)	Type STEL TWA TWA	Value 1000 ppm 5 ppm 0.025 mg/m3	Form
US. ACGIH Threshold Limit Value Components ETHANOL (CAS 64-17-5) PHENOL (CAS 108-95-2) QUARTZ (CAS 14808-60-7)	Type STEL TWA TWA	Value 1000 ppm 5 ppm 0.025 mg/m3	Form
US. ACGIH Threshold Limit Value Components ETHANOL (CAS 64-17-5) PHENOL (CAS 108-95-2) QUARTZ (CAS 14808-60-7) NIOSH. Immediately Dangerous Components	Type STEL TWA TWA to Life or Health (IDLH) Val	Value 1000 ppm 5 ppm 0.025 mg/m3 lues, as amended	Form
US. ACGIH Threshold Limit Value Components ETHANOL (CAS 64-17-5) PHENOL (CAS 108-95-2) QUARTZ (CAS 14808-60-7) NIOSH. Immediately Dangerous	Type STEL TWA TWA to Life or Health (IDLH) Val	Value 1000 ppm 5 ppm 0.025 mg/m3 lues, as amended Value	Form

US. NIOSH: Pocket Guide to Che Components	emical Hazards Recommended Expos Type	ure Limits (REL) Value	Form
ETHANOL (CAS 64-17-5)	TWA	1900 mg/m3	
		1000 ppm	
PHENOL (CAS 108-95-2)	Ceiling	60 mg/m3	
		15.6 ppm	
	TWA	19 mg/m3	
		5 ppm	
QUARTZ (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.
US. OARS. Workplace Environme	ental Exposure Level (WEEL) Guide		
Components	Туре	Value	
TRIETHYLENETETRAMINE (CAS 112-24-3)	TWA	6 mg/m3	
		1 ppm	

Biological limit values

ACGIH Biological Exposure Indices (BEI)

Components	Value	Determinant	Specimen	Sampling Time
PHENOL (CAS 108-95-2)	250 mg/g	Phenol with	Creatinine in	*
		hydrolysis	urine	

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

Exposure guidelines No exposure standards allocated.

US - California OELs: Skin designation

PHENOL (CAS 108-95-2) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

PHENOL (CAS 108-95-2) Skin designation applies.

US - Tennessee OELs: Skin designation

PHENOL (CAS 108-95-2) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

PHENOL (CAS 108-95-2) Danger of cutaneous absorption

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

PHENOL (CAS 108-95-2) Can be absorbed through the skin.

US WEEL Guides: Skin designation

TRIETHYLENETETRAMINE (CAS 112-24-3)

Can be absorbed through the skin.

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

PHENOL (CAS 108-95-2) Can be absorbed through the skin.

Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined

occupational exposure limit is not exceeded.

Individual protection measures, such as personal protective equipment

Eye/face protection Goggles/face shield are recommended.

Skin protection

Hand protection Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style

gloves.

Other Use protective gloves, goggles and suitable protective clothing.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate

certified respirators.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Do not get in eyes. Do not get this material in contact with skin. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Wash hands after handling and before eating. Keep away from food and drink. Contaminated work clothing should not be allowed out of the workplace. Handle in accordance with good industrial hygiene and safety

practice.

9. Physical and chemical properties

Appearance Liquid.
Physical state Liquid.

Form Liquid. Light yellow. Color Odor Sulphurous. **Odor threshold** Not available.

рH Basic

53.6 °F (12 °C) estimated Melting point/freezing point

Initial boiling point and

boiling range

359.15 °F (181.75 °C) estimated

Flash point >200.0 °F (>93.3 °C)

Evaporation rate Not available. Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits **Explosive limit - lower** 3 % estimated

(%)

Explosive limit - upper

(%)

10 % estimated

Not available. Vapor pressure Vapor density Not available. Relative density Not available.

Solubility(ies)

Solubility (water) Not available. Partition coefficient Not available.

(n-octanol/water)

640 °F (337.78 °C) estimated **Auto-ignition temperature**

Decomposition temperature Not available. **Viscosity** Not available.

Other information

Density 12.66 lb/gal estimated 1.5204 estimated Specific gravity

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Stable under normal temperature conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Heat, flames and sparks.

Incompatible materials Strong oxidizing agents. Acids. Moist air.

Hazardous decomposition

products

At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

11. Toxicological information

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact Causes severe skin burns and eye damage. May cause an allergic skin reaction.

Eye contact Causes serious eye damage. Ingestion May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Contact may cause redness, burning, drying, and cracking of the skin, and skin damage. Rash. Dermatitis. May cause an allergic skin reaction. Causes serious eye damage. Burning pain and severe corrosive skin

Information on toxicological effects

Acute toxicity

Material name: NOVOCOAT™ R1900 QUICK REPAIR PART B

SDS US

5983 Version #: 04 Revision date: 04-15-2024 Issue date: 06-15-2020

Components **Species Test Results**

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL (CAS 90-72-2)

Acute Dermal

LD50 Rat 1280 mg/kg

Oral

LD50 Rat 1200 mg/kg

3-AMINOPROPYLTRIETHOXYSILANE (CAS 919-30-2)

Acute Inhalation

LC50 > 7.35 mg/l, 4 Hours

ETHANOL (CAS 64-17-5)

Acute Oral

LD50 Rat 6.2 g/kg

PHENOL (CAS 108-95-2)

Acute Dermal

LD50 Rat 669 mg/kg

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

Skin corrosion/irritation Causes severe skin burns and eye damage.

Serious eye damage/eye

irritation

Causes severe eye burns.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization May cause an allergic skin reaction. Germ cell mutagenicity Suspected of causing genetic defects.

Carcinogenicity This product contains crystalline silica. Silica is a known carcinogen; however in this

encapsulated form the normal routes of exposure are unavailable.

IARC Monographs. Overall Evaluation of Carcinogenicity

PHENOL (CAS 108-95-2) 3 Not classifiable as to carcinogenicity to humans.

QUARTZ (CAS 14808-60-7) 1 Carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

OUARTZ (CAS 14808-60-7)

US. National Toxicology Program (NTP) Report on Carcinogens

QUARTZ (CAS 14808-60-7) Known To Be Human Carcinogen.

Contains no ingredient listed as toxic to reproduction. Reproductive toxicity

Specific target organ toxicity

- single exposure

Not available.

Specific target organ toxicity

- repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard Not available.

Chronic effects Not expected to be hazardous by WHMIS criteria.

Further information Symptoms may be delayed.

12. Ecological information

Ecotoxicity Accumulation in aquatic organisms is expected. Contains a substance which causes risk of

hazardous effects to the environment. Expected to be harmful to aquatic organisms. The product

contains a substance which may cause long-term adverse effects in the environment.

Material name: NOVOCOAT™ R1900 QUICK REPAIR PART B

Product Species Test Results

NOVOCOAT™ R1900 QUICK REPAIR PART B

Aquatic

 Crustacea
 EC50
 Daphnia
 1344.3275 mg/l, 48 hours

 Fish
 LC50
 Fish
 974.0854 mg/l, 96 hours

Acute

Crustacea EC50 Daphnia 142.005 mg/l, 48 hours estimated
Fish LC50 Fish 229.3543 mg/l, 96 hours estimated

Components Species Test Results

ETHANOL (CAS 64-17-5)

Aquatic

Acute

Crustacea EC50 Water flea (Daphnia magna) >= 7.7 - <= 11.2 mg/l, 48 hours

Fish LC50 Rainbow trout, donaldson trout 42 mg/l, 4 days

(Oncorhynchus mykiss)

PHENOL (CAS 108-95-2)

Aquatic

Acute

Crustacea EC50 Water flea (Daphnia magna) 4.24 - 10.7 mg/l, 48 hours

Fish LC50 Asiatic knifefish (Notopterus notopterus) 6.85 mg/l, 96 hours

Persistence and degradability Not available.

Bioaccumulative potential Not available.

Partition coefficient n-octanol / water (log Kow)

ETHANOL -0.31 PHENOL 1.46

Mobility in soilNot available.Other adverse effectsNot available.

13. Disposal considerations

Disposal instructionsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow

this material to drain into sewers/water supplies. Dispose in accordance with all applicable

regulations.

Hazardous waste codeThe waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues /

unused products

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.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

UN number UN3334

UN proper shipping name Aviation regulated liquid, n.o.s. (mercaptan terminated polymer)

Class 9
Subsidiary hazard Packing group III

Transport hazard class(es)

Environmental hazards No. **ERG Code** 9A

Special precautions for Not assigned.

user

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

Other information

Passenger and cargo

aircraft

Allowed with restrictions.

Cargo aircraft only

Allowed with restrictions.

IMDG

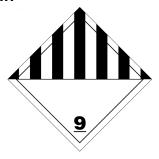
Not regulated as dangerous goods.

Transport in bulk according to Not available.

Annex II of MARPOL 73/78

and the IBC Code

IATA



15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard,

29 CFR 1910.1200.

CERCLA/SARA Hazardous Substances - Not applicable.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

ETHANOL (CAS 64-17-5) Listed. PHENOL (CAS 108-95-2) Listed.

SARA 304 Emergency release notification

Phenol (CAS 108-95-2) 1000 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

QUARTZ (CAS 14808-60-7) Cancer

lung effects

immune system effects

kidney effects

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity (pounds)	Threshold planning quantity (pounds)	Threshold planning quantity, lower value (pounds)	Threshold planning quantity, upper value (pounds)
PHENOL	108-95-2	1000		500	10000

SARA 311/312 Hazardous Yes

chemical

Classified hazard

categories

Skin corrosion or irritation

Serious eye damage or eye irritation Respiratory or skin sensitization

Germ cell mutagenicity

Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.	
PHENOL	108-95-2	1 - 10	

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

PHENOL (CAS 108-95-2)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated.

(SDWA)

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

ETHANOL (CAS 64-17-5) Low priority PHENOL (CAS 108-95-2) Low priority

US state regulations WARNING: This product contains a chemical known to the State of California to cause cancer.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

PHENOL (CAS 108-95-2) QUARTZ (CAS 14808-60-7)

California Proposition 65

California Proposition 65 - CRT: Listed date/Carcinogenic substance

ETHANOL (CAS 64-17-5) Listed: April 29, 2011 Listed: July 1, 1988

QUARTZ (CAS 14808-60-7) Listed: October 1, 1988

California Proposition 65 - CRT: Listed date/Developmental toxin

ETHANOL (CAS 64-17-5) Listed: October 1, 1987

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

^{*}A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other information, including date of preparation or last revision

 Issue date
 06-15-2020

 Revision date
 04-15-2024

Version # 04

Further information HMIS® is a registered trade and service mark of the NPCA.

NFPA ratings Health: 3
Flammability: 1
Instability: 0

References ACGIH

EPA: AOUIRE database

NLM: Hazardous Substances Data Base

US. IARC Monographs on Occupational Exposures to Chemical Agents

HSDB® - Hazardous Substances Data Bank

IARC Monographs. Overall Evaluation of Carcinogenicity National Toxicology Program (NTP) Report on Carcinogens

ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

Material name: NOVOCOAT™ R1900 QUICK REPAIR PART B

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

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.

Revision information

This document has undergone significant changes and should be reviewed in its entirety.