

Material Safety Data Sheet

Material Name: Gerdaul Cure & Seal 1315 UV 83-309004

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

Gerdaul Ameristeel
4221 West Boy Scout Blvd.
Suite 600
Tampa, FL 33607

Phone: (800) 876-3626

Emergency # 800-424-9300 CHEMTREC

*** Section 2 - Hazards Identification ***

Emergency Overview

May cause eye and skin irritation. Prolonged contact may cause sensitization.

Potential Health Effects: Eyes

May cause irritation.

Potential Health Effects: Skin

May cause irritation.

Potential Health Effects: Ingestion

Not considered a likely route of exposure under normal product use. May cause gastrointestinal irritation if swallowed.

Potential Health Effects: Inhalation

May cause respiratory tract irritation.

HMIS Ratings: Health: 2 Fire: 2 HMIS Reactivity 0

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

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
64742-82-1	Naphtha, petroleum, hydrodesulfurized heavy	10-25
8052-41-3	Stoddard solvent	10-25
95-63-6	Benzene, 1,2,4-trimethyl-	10-25
64742-95-6	Petroleum naphtha, light aromatic	10-25
1330-20-7	Xylenes (o-, m-, p- isomers)	<2.5
103-65-1	Propyl benzene	<1
98-82-8	Cumene	<1

*** Section 4 - First Aid Measures ***

First Aid: Eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

First Aid: Skin

For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation

Move person to non-contaminated air. Call a physician if symptoms develop or persist. If the affected person is not breathing, apply artificial respiration.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

None

Hazardous Combustion Products

Not Determined

Extinguishing Media

CO₂, sand, extinguishing powder. Do not use water.

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Fire Fighting Equipment/Instructions

Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

NFPA Ratings: Health: 2 Fire: 2 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Block any potential routes to water systems.

Clean-Up Procedures

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

None necessary.

*** Section 7 - Handling and Storage ***

Handling Procedures

Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.

Storage Procedures

Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available. Keep container tightly closed.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

Stoddard solvent (8052-41-3)

ACGIH: 100 ppm TWA
OSHA: 100 ppm TWA; 525 mg/m³ TWA
NIOSH: 350 mg/m³ TWA
1800 mg/m³ Ceiling (15 min)

Benzene, 1,2,4-trimethyl- (95-63-6)

NIOSH: 25 ppm TWA; 125 mg/m³ TWA

Xylenes (o-, m-, p- isomers) (1330-20-7)

ACGIH: 100 ppm TWA
150 ppm STEL
OSHA: 100 ppm TWA; 435 mg/m³ TWA
150 ppm STEL; 655 mg/m³ STEL

Cumene (98-82-8)

ACGIH: 50 ppm TWA
OSHA: 50 ppm TWA; 245 mg/m³ TWA
Prevent or reduce skin absorption
NIOSH: 50 ppm TWA; 245 mg/m³ TWA
Potential for dermal absorption

Engineering Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear appropriate eye protection to prevent eye contact.

Personal Protective Equipment: Skin

Use impervious gloves.

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Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Personal Protective Equipment: General

Eye wash fountain is recommended.

*** Section 9 - Physical & Chemical Properties ***

Appearance:	Varied colors according to product specification	Odor:	Characteristic
Physical State:	Liquid	pH:	ND
Vapor Pressure:	5.0 hPa (4 mm Hg)	Vapor Density:	ND
Boiling Point:	138°C (280°F)	Melting Point:	ND
Solubility (H2O):	Not miscible	Specific Gravity:	0.888 g/cm3
Evaporation Rate:	ND	VOC:	< 700 g/L
Octanol/H2O Coeff.:	ND	Flash Point:	41°C (106°F)
Flash Point Method:	ND	Upper Flammability Limit (UFL):	7.5
Lower Flammability Limit (LFL):	0.7	Burning Rate:	ND
Auto Ignition:	230°C (446°F)		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

None

Incompatibility

None

Hazardous Decomposition

No dangerous decomposition products known.

Possibility of Hazardous Reactions

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Naphtha, petroleum, hydrodesulfurized heavy (64742-82-1)

Oral LD50 Rat: >5000 mg/kg; Dermal LD50 Rabbit: >3160 mg/kg

Petroleum naphtha, light aromatic (64742-95-6)

Inhalation LC50 Rat: >5.2 mg/L/4H; Inhalation LC50 Rat: 3400 ppm/4H; Oral LD50 Rat: 8400 mg/kg; Dermal LD50 Rabbit: >2000 mg/kg

Benzene, 1,2,4-trimethyl- (95-63-6)

Inhalation LC50 Rat: 18 g/m3/4H; Oral LD50 Rat: 3400 mg/kg; Dermal LD50 Rabbit: >3160 mg/kg

Xylenes (o-, m-, p- isomers) (1330-20-7)

Inhalation LC50 Rat: 5000 ppm/4H; Inhalation LC50 Rat: 47635 mg/L/4H; Oral LD50 Rat: 4300 mg/kg; Dermal LD50 Rabbit: >1700 mg/kg

Propyl benzene (103-65-1)

Oral LD50 Rat: 6040 mg/kg

Cumene (98-82-8)

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Oral LD50 Rat: 1400 mg/kg; Inhalation LC50 Rat:39000 mg/m³/4H; Dermal LD50 Rabbit:>3160 mg/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Xylenes (o-, m-, p- isomers) (1330-20-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71 [1999], Monograph 47 [1989] (Group 3 (not classifiable))

* * * Section 12 - Ecological Information * * *

Ecotoxicity

A: General Product Information

Do not allow product to reach ground water, water course or sewage system, even in small quantities. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Naphtha, petroleum, hydrodesulfurized heavy (64742-82-1)

Test & Species	Conditions
96 Hr LC50 Chaetogammarus marinus	2.6 mg/L

Petroleum naphtha, light aromatic (64742-95-6)

Test & Species	Conditions
96 Hr LC50 Oncorhynchus mykiss	9.22 mg/L
48 Hr EC50 Daphnia magna	6.14 mg/L

Benzene, 1,2,4-trimethyl- (95-63-6)

Test & Species	Conditions
96 Hr LC50 Pimephales promelas	7.72 mg/L [flow-through]
48 Hr EC50 Daphnia magna	6.14 mg/L

Xylenes (o-, m-, p- isomers) (1330-20-7)

Test & Species	Conditions
96 Hr LC50 Pimephales promelas	13.4 mg/L [flow-through]
96 Hr LC50 Oncorhynchus mykiss	8.05 mg/L [flow-through]
96 Hr LC50 Lepomis macrochirus	16.1 mg/L [flow-through]
96 Hr LC50 Pimephales promelas	26.7 mg/L [static]
48 Hr EC50 water flea	3.82 mg/L
48 Hr LC50 Gammarus lacustris	0.6 mg/L

Cumene (98-82-8)

Test & Species	Conditions
96 Hr LC50 Oncorhynchus mykiss	4.8 mg/L [flow-through]
72 Hr EC50 Selenastrum capricornutum	2.6 mg/L
48 Hr EC50 water flea	0.6 mg/L

* * * Section 13 - Disposal Considerations * * *

US EPA Waste Number & Descriptions

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Component Waste Numbers

Xylenes (o-, m-, p- isomers) (1330-20-7)

RCRA: waste number U239 (Ignitable waste, Toxic waste)

Cumene (98-82-8)

RCRA: waste number U055 (Ignitable waste)

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Petroleum Distillates, n.o.s.

UN/NA #: 1268 **Hazard Class:** 3 **Packing Group:** III

Required Label(s): Marine Pollutant

TDG Information

Shipping Name: Petroleum Distillates, n.o.s.

UN/NA #: 1268 **Hazard Class:** 3 **Packing Group:** III

Required Label(s): Marine Pollutant

*** Section 15 - Regulatory Information ***

US Federal Regulations

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Benzene, 1,2,4-trimethyl- (95-63-6)

SARA 313: 1.0 % de minimis concentration

Xylenes (o-, m-, p- isomers) (1330-20-7)

SARA 313: 1.0 % de minimis concentration

CERCLA: 100 lb final RQ; 45.4 kg final RQ

Cumene (98-82-8)

CERCLA: 5000 lb final RQ; 2270 kg final RQ

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Stoddard solvent	8052-41-3	Yes	Yes	Yes	Yes	Yes	Yes
Benzene, 1,2,4-trimethyl-	95-63-6	No	Yes	Yes	Yes	Yes	No
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes	Yes	Yes	Yes	Yes	Yes
Propyl benzene	103-65-1	No	Yes	No	Yes	Yes	No
Cumene	98-82-8	Yes	Yes	Yes	Yes	Yes	Yes

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Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Stoddard solvent	8052-41-3	1 %
Benzene, 1,2,4-trimethyl-	95-63-6	0.1 %

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Naphtha, petroleum, hydrodesulfurized heavy	64742-82-1	Yes	DSL	EINECS
Petroleum naphtha, light aromatic	64742-95-6	Yes	DSL	EINECS
Stoddard solvent	8052-41-3	Yes	DSL	EINECS
Benzene, 1,2,4-trimethyl-	95-63-6	Yes	DSL	EINECS
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes	DSL	EINECS
Propyl benzene	103-65-1	Yes	DSL	EINECS
Cumene	98-82-8	Yes	DSL	EINECS

*** Section 16 - Other Information ***

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

End of Sheet