

# **BondTite 1114 Hardener**

(Part B)

Safety Data Sheet (SDS)

Section 1 - Product and Company Identification

Trade Name: BondTite 1114 Hardener (All Versions)

## Company:

Wolverine Coatings Corporation 5969 Highway 221 Roebuck, SC 29376 +1 (864) 587-3144 Product Code: BondTite 1114-000 NEU Hardener

## **Emergency Contact:**

ChemTel 24 Hr. US Emergency Number: +1 (800) 255-3924 ChemTel 24 Hr. Worldwide Emergency Number: +1 (813) 248-0585

Product Use: Coatings

Not recommended for: None Identified

## **Section 2 - Hazards Identification**

## **GHS Ratings:**

Inhalation Toxi	•	Gases >2500+<=5000ppm, Vapors >10+<=20mg/l, Dusts &		
	Tox. 4	Mists>1+<=5mg/l		
Skin Corrosive	1B	Destruction of dermal tissue: Exposure < 1 hour Observation < 14 days, visible necrosis in at least one animal		
Eye Corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5		
Skin Sensitizer	1	Skin Sensitizer		
Mutagen	2	Suspected/Possible: May include heritable mutations in human germ cells, Positive evidence from tests in mammals and somatic cell tests, In vivo somatic genotoxicity supported by in vitro mutagenicity		
Carcinogen	2	Limited evidence of human or animal carcinogenicity		
Reproductive Toxin	2	Human or animal evidence possibly with other information		
Aquatic toxicity	/ C3	Acute toxicity > 10.0 but <= 100.0 mg/l and lack of rapid degradability and log Kow >= 4 unless BCF < 500 and unless chronic toxicity > 1 mg/l		
GHS Hazards				
H314	Causes	s severe skin burns and eye damage		
H317		use an allergic skin reaction		
H318		s serious eye damage		
H332		Harmful if inhaled		
H341	Suspected of causing genetic defects			
H351	Suspected of causing cancer			
H361	Suspected of damaging fertility or the unborn child			
H412	Harmful to aquatic life with long lasting effects			
GHS Precautions				
P201	Obtain	special instructions before use		
P202		handle until all safety precautions have been read and understood		
P260	Do not breathe dust/fume/gas/mist/vapours/spray			
P261		Avoid breathing dust/fume/gas/mist/vapours/spray		
P264		Wash thoroughly after handling		
P271		Use only outdoors or in a well-ventilated area		
P272	Contaminated work clothing should not be allowed out of the workplace			
P273	Avoid release to the environment			
P280	Wear protective gloves/protective clothing/eye protection/face protection			

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P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see label)
P363	Wash contaminated clothing before reuse
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container in accordance with all local, regional, national, and international regulations.

Signal Word: Danger



## Section 3 - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
alpha-(2-Aminomethylethyl)-omega-(2- aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl))	9046-10-0	50.00% - 60.00%
Nonylphenol	84852-15-3	20.00% - 30.00%
Trade Secret		1.00% - 5.00%
Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	1.00% - 5.00%
Ethylbenzene	100-41-4	0.10% - 1.00%

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

**Inhalation:** If affected, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

**Eye Contact:** Immediately flush eyes for at least fifteen minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. If eye irritation persists: Get medical advice/attention.

**Skin contact:** Immediately remove contaminated clothing and shoes. Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. Get immediate medical attention.

Section 5 - Fire Fighting Measures				
Flash Point:	130 C (266 F)	LEL: 1.00	UEL: 7.0	0
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**Extinguishing Media:** Use carbon dioxide, foam, dry chemical, dry sand, water fog, or limestone powder extinguishing systems.

Unusual Fire and Explosion Hazards: None

**Hazardous combustion products:** Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (Stability and Reactivity) for additional information.

**Special Fire Fighting Procedures:** Firefighters should be equipped with self-contained breathing apparatus. **Fire Equipment:** No Data

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

**Spill And Leak Procedures:** Avoid all personal contact. Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Spills should be contained, solidified, and placed in suitable containers for disposal.

## Section 7 - Handling and Storage

**Handling Precautions:** Use good laboratory/workplace procedures. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product.

**Storage Requirements:** Keep away from heat, sparks, and open flames. Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use.

## Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS #	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
alpha-(2- Aminomethylethyl)-omega- (2-aminomethylethoxy)- poly(oxy(methyl-1,2- ethanediyl)) 9046-10-0	Not Established	Not Established	Not Established
Nonylphenol 84852-15-3	Not Established	Not Established	Not Established
Trade Secret	Not Established	TLV-TWA: 1 ppm	Not Established
Phenol, 4,4'-(1- methylethylidene)bis- 80-05-7	Not Established	Not Established	Not Established
Ethylbenzene 100-41-4	TWA: 435 mg/m3	TWA: 20 ppm	Not Established

Ventilation: Good general mechanical ventilation and local exhaust is recommended.

**Hygiene:** Eye wash must be easily accessible. Wear protective clothing as necessary to prevent contact. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. Gloves must be inspected regularly and prior to each use. Replace if necessary.

**Personal Protective Equipment:** Wear impervious protective gloves. Wear OSHA, NIOSH approved organic vapor respirator if ventilation is inadequate. Wear appropriate protective eyewear such as splash-proof, chemical resistant safety goggles.

Contaminated Gear: Take off all contaminated clothing immediately. Wash contaminated clothing before

#### **Section 9 - Physical and Chemical Properties**

This mixture typically exhibits the following properties under normal circumstances:

Appearance:	Liquid	Odor:	Not available
Vapor Pressure:	0.86 mm Hg	Odor threshold:	Not available
Vapor Density:	Not available	pH:	Not available
Density (g/cm3):	0.96	Melting point:	Not available
Freezing point:	Not available	Solubility:	Not available
Boiling range:	Not available	Flash point:	130 C, 266 F
Evaporation rate:	Not available	Flammability:	Not available
Explosive Limits:	Not available	Partition coefficient (n- octanol/water):	Not available
Autoignition temperature:	Not available	Decomposition temperature:	Not available
Viscosity:	Not available	Grams VOC less water:	Not available

#### Section 10 - Stability and Reactivity

#### Stability:

STABLE

#### Components of this mixture are incompatible with the following materials:

Strong Oxidizers Carbon disulfide Strong Acids Strong Bases

#### This mixture is likely to exhibit the following combustion products:

No Data

Hazardous polymerization will not occur.

**Section 11 - Toxicological Information** 

#### **Mixture Toxicity:**

Oral Toxicity LD50: 2,230mg/kg Dermal Toxicity LD50: 2,640mg/kg Inhalation Toxicity LC50: 1mg/L

## **Component Toxicity:**

9046-10-0	•	, , ,	(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl) al LD50: 2,980 mg/kg (rabbit) Inhalation LC50: 1 mg/L (r
84852-15-3	Nonylphenol		nal LD50: 2,031 mg/kg (Rabbit)
80-05-7	Phenol, 4,4'-(1-n	nethylethylidene)bis	
100-41-4	Ethylbenzene		ation LC50: 17 mg/L (rat)
Routes of Entry:			
Inhalation	Skin Contact	Eye Contact	Ingestion

Exposure to this material may affect the following organs:

No Data

The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing):

Section 12 - Ecological Information

## **Component Ecotoxicity:**

alpha-(2-Aminomethylethyl)-omega-(2-LC50 772.14 mg/l fish 96h; EC50 418.34 mg/l Water Flea 48h; EC50 15 aminomethylethoxy)- poly(oxy(methyl-mg/l algae 72h; EC50 750 mg/l Bacteria 3h 1,2-ethanediyl))

Nonylphenol	LC50 0.209 mg/l fish 96h; EC50 0.0844 mg/l water flea 48h
Trade Secret	LC50 1014 mg/l fish 96h
Phenol, 4,4'-(1-methylethylidene)bis-	LC50 4.6 mg/l fish 96h; EC50 10.2 mg/l water flea 48h; EC50 3.1 mg/l algae 96h
Ethylbenzene	LC50 5.1 mg/l fish 96h; EC50 2.4 mg/l water flea 96h; EC50 4.9 mg/l algae 72h

## **Section 13 - Disposal Considerations**

Waste disposal Methods: Dispose in accordance with Federal, State and Local regulations.

**Section 14 - Transport Information** 

This material is classified for transport as follows:

Agency	Proper Shipping Name	<u>UN Number</u>	Packing Group	Hazard Class
DŌT	Paint Related Material, Corrosive	3066	III	8
IATA				
IMDG				

## **Section 15 - Regulatory Information**

## Additional regulatory listings, where applicable:

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin: Ethylbenzene 100-41-4

## Materials not included on the Canada DSL inventory:

- None

**Commonwealth of Massachusetts "Right to Know":** This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:

Ethylbenzene 100-41-4 Phenol, 4,4'-(1-methylethylidene)bis- 80-05-7 Trade Secret

**NJ "Right to Know":** This product contains the following toxic or hazardous substances which appear on the New Jersey Substance List:

Ethylbenzene 100-41-4 Phenol, 4,4'-(1-methylethylidene)bis- 80-05-7 Trade Secret Nonylphenol 84852-15-3 alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl)) 9046-10-0

**Pennsylvania "Right to Know":** This product contains the following toxic or hazardous substances which appear on the Pennsylvania Substance List:

Ethylbenzene 100-41-4 Phenol, 4,4'-(1-methylethylidene)bis- 80-05-7 Trade Secret Nonylphenol 84852-15-3 alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl)) 9046-10-0

## EPA SARA Title III Section 313 (40 CFR 372) components above 'de minimum' level:

Ethylbenzene 100-41-4 Phenol, 4,4'-(1-methylethylidene)bis- 80-05-7

## Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic

Substances Control Act Chemical Substance Inventory: - None

## Country

## Regulation

All Components Listed

## **EU Risk Phrases**

## Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

EPA SARA Title III Section 313 (40 CFR 372) compnenets above 'de minimum' level:

## **Section 16 - Other Information**

For further information, please contact the Product Safety director. The information and recommendations contained herein are, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. No representations or warranties, either expressed or implied of merchantability, fitness for a particular purpose, or any other nature, are made hereunder with respect to the information contained herein, or to the chemical to which the user refers.

Date Revised: 2019-11-25

Revision #: 2