

# CSP Heavy Duty Rust Remover

## Safety Data Sheet

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : CSP Heavy Duty Rust Remover

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Cleaner

#### 1.3. Details of the supplier of the safety data sheet

Cathedral Stone Products  
7266 Park Circle Drive  
Hanover, MD 21076  
T 410-782-9150

#### 1.4. Emergency telephone number

Emergency number : 1-800-424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Corrosive to Metals 1	H290
Acute Tox. (Oral) 4	H302
Skin Burn & Eye Dam. 1A, 1B, 1C	H314
Skin Irrit. 2	H315
Serious eye damage 1	H318
Long Term Aqu. Haz. 1	H410

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS05

GHS07

GHS09

Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

H290 - May be corrosive to metals.  
H302 - Harmful if swallowed.  
H314 - Causes severe skin burns and eye damage.  
H315 - Causes skin irritation  
H318 - Causes serious eye irritation  
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (GHS-US) :

P234 - Keep only in original container.  
P264 - Wash thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P301+P312+P330+P331 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.  
P302 + P352 - If on skin: Wash with plenty of water  
P303+P361+P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340+P310 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.  
P305+P351+P338+P310 - 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.  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P362 - Take off contaminated clothing and wash before reuse  
P363 - Wash contaminated clothing before reuse.  
P390 - Absorb spillage to prevent material damage.  
P391 - Collect spillage

# CSP Heavy Duty Rust Remover

## Safety Data Sheet

P405 – Store locked up  
P406 – Store in corrosive resistance inner liner  
P501 - Dispose of contents/ container to an approved waste disposal plant.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS-US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%*	Classification (GHS-US)
Phosphoric acid	(CAS No) 7664-38-2	< 45	Corr. Metals H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314
Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	(CAS No) 9002-93-1	< 4	Acute Tox. 4 (Oral), H302 Skin irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H410

\*Approximate amounts. Exact amounts are a trade secret.  
Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if breathing difficulty persists.

First-aid measures after skin contact : Rinse with plenty of water. Seek medical attention if irritation develops or persists.

First-aid measures after eye contact : Remove contact lenses immediately. Flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

First-aid measures after ingestion : Do not induce vomiting. Give water to victim to drink. Seek medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May be harmful if inhaled.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

Symptoms/injuries after ingestion : May be harmful if swallowed.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Use carbon dioxide, foam, dry chemical or water.

Unsuitable extinguishing media : None.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.

Explosion hazard : None known.

### 5.3. Advice for firefighters

Protection during firefighting : Firefighters should wear full protective gear.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

# CSP Heavy Duty Rust Remover

## Safety Data Sheet

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Stop the flow of material, if this is without risk.  
Methods for cleaning up : Confine spill and soak up with absorbent. Place in an approved container and dispose in accordance with local, state and federal regulations.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes and skin. Avoid breathing vapors. Wash thoroughly after handling. Store in tightly closed container. Opened containers must be reclosed fully and kept upright to prevent leakage.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a cool, dry, well-ventilated area. Do not store near acids.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy- (9002-93-1)		
ACGIH	Not applicable	
OSHA	Not applicable	
Water (7732-18-5)		
ACGIH	Not applicable	
OSHA	Not applicable	
Phosphoric acid (7664-38-2)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>

### 8.2. Exposure controls

Hand protection : Wear impervious gloves to minimize skin contact.  
Eye protection : Face shield and chemical goggles.  
Skin and body protection : Wear suitable working clothes.  
Respiratory protection : If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Foam/gel.  
Color : White  
Odor : Slight  
Odor threshold : No data available  
pH : 2  
Melting point : No data available  
Freezing point : No data available  
Boiling point : 100 °C  
Flash point : No data available  
Relative evaporation rate (butyl acetate=1) : No data available

# CSP Heavy Duty Rust Remover

## Safety Data Sheet

Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Specific gravity	: 1.33
Relative vapor density at 20 °C	: No data available
Solubility	: Soluble
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

Will not occur.

### 10.4. Conditions to avoid

None

### 10.5. Incompatible materials

Alkaline products and oxidizing agents

### 10.6. Hazardous decomposition products

Not determined

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy- (9002-93-1)</b>	
LD50 oral rat	1800 mg/kg
ATE US (oral)	1800.000 mg/kg body weight
<b>Water (7732-18-5)</b>	
LD50 oral rat	> 90 ml/kg
<b>Phosphoric acid (7664-38-2)</b>	
LD50 oral rat	1530 mg/kg
LD50 dermal rabbit	2740 mg/kg
LC50 inhalation rat (mg/l)	> 850 mg/m <sup>3</sup> (Exposure time: 1 h)
ATE US (oral)	1530.000 mg/kg
ATE US (dermal)	2730.000 mg/kg

Skin corrosion/irritation : Causes skin irritation.  
pH: 2

Serious eye damage/irritation : Causes serious eye irritation.  
pH: 2

# CSP Heavy Duty Rust Remover

## Safety Data Sheet

Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Toxicity to fish	LC50 - Pimephales promelas (fathead minnow) - 4 - 8.9 mg/l - 96 h
Toxicity to fish	semi-static test LC50 - Leuciscus idus (Golden orfe) - 0.26 mg/l – 96 h (OECD Test Guideline 203) Remarks: The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol
Toxicity to daphnia and other aquatic invertebrates	LC50 - Daphnia magna (Water flea) - 18 - 26 mg/l - 48 h
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - 0.011 mg/l - 48 h Remarks: (ECOTOX Database) The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol
Toxicity to algae	static test EC50 - Pseudokirchneriella subcapitata (green algae) - 1.9 mg/l - 96 h Remarks: (ECHA) The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol
Toxicity to fish(Chronic toxicity)	flow-through test NOEC - Danio rerio (zebra fish) - 0.012 mg/l (OECD Test Guideline 210) Remarks: The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol
Toxicity to daphnia and other aquatic invertebrates(Chronic toxicity)	semi-static test NOEC - Daphnia magna (Water flea) - 0.03 mg/l - 21 d (OECD Test Guideline 202) Remarks: The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol

#### 12.2. Persistence and degradability

Biodegradability	aerobic - Exposure time 28 d Result: 22 % - Not readily biodegradable. (OECD Test Guideline 301C)
------------------	--

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not a dangerous good as defined transport regulations

# CSP Heavy Duty Rust Remover

## Safety Data Sheet

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

**Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy- (9002-93-1)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Phosphoric acid (7664-38-2)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. US State regulations

**Phosphoric acid (7664-38-2)**

U.S. - Massachusetts - Right To Know List  
U.S. - Minnesota - Hazardous Substance List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16: Other information

Full text of H-phrases:

H290	May be corrosive to metals, Category 1
H302	Harmful if swallowed Acute toxicity (oral) Category 4
H314	Causes severe skin burns and eye damage, Category 1A, 1B, 1C
H315	Causes skin irritation, Category 2
H318	Causes serious eye damage, Category 1
H400	Very toxic to aquatic life, Category 1
H410	Very toxic to aquatic life with long lasting effects, Category 1

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*