



**Safety Data Sheet**  
**Complies with 29 CFR 1910.1200**  
**CRP PENTOSIN DOT 4 LV**

Revision Date: 04/26/2022

**1. Identification**

**1.1. Product identifier**

**Product Identity** CRP PENTOSIN DOT 4 LV  
**Alternate Names** CRP PENTOSIN DOT 4 LV

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

**Intended use** Brake fluid

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

**Company Name** CRP Industries, Inc.  
35 Commerce Drive  
Cranbury NJ 08512  
United States

**Emergency**

**24 hour Emergency Telephone No.** US – ChemTrec 1-800-424-9300  
**Customer Service:** CRP Industries, Inc.

**2. Hazard(s) identification**

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

Eye Dam. 1;H318 Causes serious eye damage.  
Repr. 2;H361D Suspected of damaging the unborn child.

**2.2. Label elements**



**Danger**

H318 Causes serious eye damage.  
H361d Suspected of damaging the unborn child.

**[Prevention]**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P280 Wear protective gloves, eye protection, face protection.



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#### [Response]

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P308+313 IF exposed or concerned: Get medical advice or attention.

P310 Immediately call a POISON CENTER, doctor or physician.

#### [Storage]

P405 Store locked up.

#### [Disposal]

P501 Dispose of contents or container in accordance with local and national regulations.

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Boric acid (H <sub>3</sub> BO <sub>3</sub> ), mixed 2-[2-(2-methoxyethoxy)ethoxy]ethyl and 3,6,9,12-tetraoxatridec-1-yl triesters CAS Number: 0302790-70-1	75 - 100	Repr. 2;H361D	----
1,1'-Iminodipropan-2-ol CAS Number: 0000110-97-4	5 - 10	Eye Dam. 1;H318	----
2-[2-(2-Butoxyethoxy)ethoxy]ethanol CAS Number: 0000143-22-6	1 - 5	Eye Dam. 1;H318: C ≥ 30 % Eye Irrit. 2;H319: 20 % ≤ C < 30 %	----

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

\*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

### Section 4. First aid measures

#### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
<b>Eyes</b>	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
<b>Ingestion</b>	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.



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

<b>Overview</b>	No specific symptom data available. Treat symptomatically. Check section 2.2 (GHS Label Elements) for further details.
<b>Eyes</b>	Causes serious eye damage.

**Section 5. Fire-fighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media: CO<sub>2</sub>, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added.  
Unsuitable extinguishing media: Water with a full water jet.

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

Hazardous decomposition: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

**5.3. Advice for fire-fighters**

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

**ERG Guide No.** ---

**Section 6. Accidental release measures**

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

Put on appropriate personal protective equipment (see section 8).

**6.2. Environmental precautions**

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

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

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.



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**Section 7. Handling and storage**

**7.1. Precautions for safe handling**

Handle containers carefully to prevent damage and spillage.

Prevent formation of aerosols. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]

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

Do not heat up to temperatures close to the flash point.

Incompatible materials: No data available.

Check section 2.2 (GHS Label Elements) for further details. - [Storage]

**7.3. Specific end use(s)**

No data available.

**Section 8. Exposure controls / personal protection**

**8.1. Control parameters**

CAS No.	Ingredient	Exposure	
		Source	Value
0000110-97-4	1,1'-Iminodipropan-2-ol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0000143-22-6	2-[2-(2-Butoxyethoxy)ethoxy]ethanol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0302790-70-1	Boric acid (H3BO3), mixed 2-[2-(2-methoxyethoxy)ethoxy]ethyl and 3,6,9,12-tetraoxatridec-1-yl triesters	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

**8.2. Exposure controls**

- Respiratory**                      If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
- Eyes**                                Protective safety glasses recommended
- Skin**                                 Protective gloves recommended.
- Engineering Controls**        Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
- Other Work Practices**        Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.



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Check section 2.2 (GHS Label Elements) for further details.

## Section 9. Physical and chemical properties

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

<b>Appearance</b>	Color: Yellow Physical State: Liquid
<b>Odor</b>	Not Available
<b>Odor threshold</b>	Not determined
<b>pH</b>	9.0 (50 g/l, 25 °C)
<b>Melting point / freezing point</b>	-68 °C
<b>Initial boiling point and boiling range</b>	270 °C
<b>Flash Point</b>	130 °C
<b>Evaporation rate (Ether = 1)</b>	Not Measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
<b>Vapor pressure (Pa)</b>	Not Measured
<b>Vapor Density</b>	Not Measured
<b>Relative Density</b>	1.06 g/cm <sup>3</sup> (20 °C)
<b>Solubility in Water</b>	Miscible with water.
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	Kinematic viscosity: 12.6 mm <sup>2</sup> /s (20 °C)

### 9.2. Other information

No other relevant information.

## Section 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

No data available.



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**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

Section 11. Toxicological information
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**Acute toxicity**

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Boric acid (H3BO3), mixed 2-[2-(2-methoxyethoxy)ethoxy]ethyl and 3,6,9,12-tetraoxatridec-1-yl triesters - (302790-70-1)	No data available	No data available	No data available	No data available	No data available
1,1'-Iminodipropan-2-ol - (110-97-4)	No data available	No data available	No data available	No data available	No data available
2-[2-(2-Butoxyethoxy)ethoxy]ethanol - (143-22-6)	> 5,000.00, Rat - Category: NA	3,540.00, Rabbit - Category: 5	No data available	No data available	No data available

**Carcinogen Data**

CAS No.	Ingredient	Source	Value
0000110-97-4	1,1'-Iminodipropan-2-ol	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0000143-22-6	2-[2-(2-Butoxyethoxy)ethoxy]ethanol	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0302790-70-1	Boric acid (H3BO3), mixed 2-[2-(2-methoxyethoxy)ethoxy]ethyl and 3,6,9,12-tetraoxatridec-1-yl triesters	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable



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Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	2	Suspected of damaging the unborn child.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

**Section 12. Ecological information**

**12.1. Toxicity**

No additional information provided for this product. See Section 3 for chemical specific data.

**Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Boric acid (H3BO3), mixed 2-[2-(2-methoxyethoxy)ethoxy]ethyl and 3,6,9,12-tetraoxatridec-1-yl triesters - (302790-70-1)	Not Available	Not Available	Not Available
1,1'-Iminodipropan-2-ol - (110-97-4)	Not Available	Not Available	Not Available
2-[2-(2-Butoxyethoxy)ethoxy]ethanol - (143-22-6)	3,400.00, Leuciscus idus	2,210.00, Daphnia magna	101.00 (72 hr), Desmodesmus subspicatus

**12.2. Persistence and degradability**

There is no data available on the preparation itself.

**12.3. Bioaccumulative potential**

Not Measured

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This product contains no PBT/vPvB chemicals.

**12.6. Other adverse effects**

No data available.



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**Section 13. Disposal considerations**

**13.1. Waste treatment methods**

Observe all federal, state and local regulations when disposing of this substance.

**Section 14. Transport information**

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
<b>14.1. UN number</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No;		
<b>14.6. Special precautions for user</b>	Not Applicable		

**Section 15. Regulatory information**

**Regulatory Overview**     The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act ( TSCA)**     All components of this material are either listed or exempt from listing on the TSCA Inventory.

**EPCRA 302 Extremely Hazardous:**  
 To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**  
       2-[2-(2-Butoxyethoxy)ethoxy]ethanol

**Proposition 65 - Carcinogens (>0.0%):**  
 To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**  
 To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**  
 To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**  
 To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.





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**Proposition 65 Label Warning:**

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**Section 16. Other information**

**Revision Date**                      04/26/2022

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

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