



Safety Data Sheet
Complies with 29 CFR 1910.1200 &with
Hazardous Products Regulations
(SOR/2015-17)
CRP PENTOSIN DOT 5.1

Revision Date: 09/25/2023

1. Identification

Product identifier

Product Identity

CRP PENTOSIN DOT 5.1

Other means of identification

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Relevant identified uses of the substance or mixture and uses advised against

Brake fluid

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.

Canada – ChemTrec 1-800-424-9300

Customer Service:

2. Hazard(s) identification

Classification of the substance or mixture

Serious eye damage / eye irritation, category 1;H318

Causes serious eye damage.

Reproductive toxicity, category 2;H361D

Suspected of damaging the unborn child.

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, and face protection.

[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.



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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.

2.3. Other hazards

This product contains no PBT/vPvB chemicals.

This product contains no endocrine disrupting chemicals.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the Hazardous Products Regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Boric acid (H3BO3), mixed 2-[2-(2-methoxyethoxy)ethoxy]ethyl and 3,6,9,12-tetraoxatridec-1-yl triesters CAS Number: 0302790-70-1 Synonyms: Boric acid (H3BO3), mixed 2-[2-(2-methoxyethoxy)ethoxy]ethyl and 3,6,9,12-tetraoxatridec-1-yl triesters	65 - 85	Reproductive toxicity, category 2;H361D	No data available
1,1'-Iminodipropan-2-ol CAS Number: 0000110-97-4 Synonyms: Diisopropanolamine	7 - 13	Serious eye damage / eye irritation, category 1;H318	No data available
2-[2-(2-Butoxyethoxy)ethoxy]ethanol CAS Number: 0000143-22-6 Synonyms: Triethylene glycol monobutyl ether	1 - 5	Serious eye damage / eye irritation, category 1;H318: C ≥ 30 % Serious eye damage / eye irritation, category 2;H319: 20 % ≤ C < 30 %	No data available

The actual concentration or concentration range is 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

Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Inhalation

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.

Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.



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Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
Most important symptoms and effects, both acute and delayed	
Overview	No specific symptom data available. Treat symptomatically. See section 2 for further details.
Eyes	Causes serious eye damage.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media: CO₂, 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.

Special hazards arising from the substance or mixture

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

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

Personal precautions, protective equipment and emergency procedures

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

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.

Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapours. 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

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.

See section 2 for further details. - [Prevention]

Conditions for safe storage, including any incompatibilities

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

Incompatible materials: No data available.

See section 2 for further details. - [Storage]

Specific end use(s)

No data available.

Section 8. Exposure controls / personal protection

Control parameters

CAS No.	Ingredient	Exposure	
		Source	Value
0000110-97-4	1,1'-Iminodipropan-2-ol	ACGIH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit
0000143-22-6	2-[2-(2-Butoxyethoxy)ethoxy]ethanol	ACGIH	No Established Limit
		Alberta	No Established Limit



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		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	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	ACGIH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit

Exposure controls

Respiratory

If workers are exposed to concentrations above the exposure limit, they must use the appropriate, certified respirators.

Eyes

Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

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



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maintain concentrations of particulates and any vapour 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.

See section 2 for further details.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Color	Yellow
Odor	Not Available
Melting point / freezing point	Freezing point: -68 °C
Initial boiling point and boiling range	270 °C
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Available Upper Explosive Limit: Not Available
Flash Point	130 °C
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
pH	9.0 (50 g/l, 25 °C)
Viscosity (cSt)	Kinematic viscosity: 12.6 mm ² /s (20 °C)
Solubility in Water	Miscible with water.
Partition coefficient n-octanol/water (Log Kow)	Not Available
Vapour pressure (Pa)	Not Available
Relative Density	1.06 g/cm ³ (20 °C)
Vapour Density	Not Available
Evaporation rate (Ether = 1)	Not Available
Other information	
No other relevant information.	

Section 10. Stability and reactivity

Reactivity

Hazardous Polymerization will not occur.

Chemical stability

Stable under normal circumstances.



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Possibility of hazardous reactions

No data available.

Conditions to avoid

No data available.

Incompatible materials

Strong oxidizing substances. Strong acids. Strong bases.

Hazardous decomposition products

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

Section 11. Toxicological information

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 vapour 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, Rat - Category: NA	3,540, 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	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	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	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
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable



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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-single exposure	3	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Possible routes of entry: No data available.

Symptoms and effects, both acute and delayed:

No specific symptom data available.

Treat symptomatically.

Eyes Causes serious eye damage.

Section 12. Ecological information

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)	No data available.	No data available.	No data available.
1,1'-Iminodipropyl-2-ol - (110-97-4)	No data available.	No data available.	No data available.
2-[2-(2-Butoxyethoxy)ethoxy]ethanol - (143-22-6)	3,400, Leuciscus idus	2,210, Daphnia magna	101, Desmodesmus subspicatus

Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

Not Available

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

Other adverse effects

No data available.



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Section 13. Disposal considerations

Waste treatment methods

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

Section 14. Transport information

Classification Method: Classified as per Part 2, Sections 2.1 - 2.8 of the Transportation of Dangerous Goods Regulations.

	TDG (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN number	Not Regulated	Not Regulated	Not Regulated
UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
Transport hazard class(es)	TDG Hazard Class: Not Applicable Sub Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable Sub Class: Not Applicable
Packing group	Not Applicable	Not Applicable	Not Applicable
Environmental hazards	Marine Pollutant: No;		
Special precautions for user	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.

This product has been classified in accordance with the hazard criteria Hazardous Products Regulations (SOR/2015-17) and the SDS contains all of the information required by those regulations.

Toxic Substance Control Act (TSCA)

1,1'-Iminodipropan-2-ol ()

2-[2-(2-Butoxyethoxy)ethoxy]ethanol ()

Boric acid (H3BO3), mixed 2-[2-(2-methoxyethoxy)ethoxy]ethyl and 3,6,9,12-tetraoxatridec-1-yl triesters (UVCB PMN)

Canadian Domestic Substance List (DSL):

1,1'-Iminodipropan-2-ol

2-[2-(2-Butoxyethoxy)ethoxy]ethanol



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Canadian Non-Domestic Substance List (NDSL):

Boric acid (H3BO3), mixed 2-[2-(2-methoxyethoxy)ethoxy]ethyl and 3,6,9,12-tetraoxatridec-1-yl triesters

New Jersey RTK Substances (>1%) :

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>1%):

1,1'-Iminodipropan-2-ol

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.

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.

Chemical Name (CAS Number)	US TSCA	Australia AICS	Korea ECL	EU EINECS	EU ELINCS	EU SVHC	EN NLP	Mexico INSQ
Boric acid (H3BO3), mixed 2-[2-(2-methoxyethoxy)ethoxy]ethyl and 3,6,9,12-tetraoxatridec-1-yl triesters (0302790-70-1)	Yes	No	No	No	No	No	No	No
1,1'-Iminodipropan-2-ol (0000110-97-4)	Yes	Yes	Yes	Yes	No	No	No	Yes
2-[2-(2-Butoxyethoxy)ethoxy]ethanol (0000143-22-6)	Yes	Yes	Yes	Yes	No	No	No	No

Chemical Name (CAS Number)	China IECSC	Japan ENCS	Japan ISHL	Japan PDSCCL	Japan PRTR 1	Japan PRTR 2	Philippines PICCS	New Zealand NZIOC
Boric acid (H3BO3), mixed 2-[2-(2-methoxyethoxy)ethoxy]ethyl and 3,6,9,12-tetraoxatridec-1-yl triesters (0302790-70-1)	No	No	No	No	No	No	No	No
1,1'-Iminodipropan-2-ol (0000110-97-4)	Yes	Yes	No	No	No	No	Yes	Yes
2-[2-(2-Butoxyethoxy)ethoxy]ethanol (0000143-22-6)	Yes	Yes	No	No	No	No	Yes	Yes



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Section 16. Other information

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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.

End of Document