



Safety Data Sheet
Complies with 29 CFR 1910.1200 &with
Hazardous Products Regulations
(SOR/2015-17)
CRP PENTOSIN FFL-4

Revision Date: 09/08/2022

1. Identification

Product identifier

Product Identity CRP PENTOSIN FFL-4

Other means of identification CRP PENTOSIN FFL-4

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

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: CRP Industries, Inc.

2. Hazard(s) identification

Classification of the substance or mixture

Skin sensitizer category 1;H317 May cause an allergic skin reaction.

Aquatic toxicity (chronic), category 3;H412 Harmful to aquatic life with long lasting effects.

Label elements



Warning

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

[Prevention]

P261 Avoid breathing dust, fume, gas, mist, vapours, spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves, eye protection, face protection.



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[Response]

P302+352 IF ON SKIN: Wash with plenty of soap and water.
P333+313 If skin irritation or a rash occurs: Get medical advice or attention.
P362+364 Take off contaminated clothing and wash it before reuse.

[Storage]

No GHS storage statements

[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 Hazardous Products Regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
1-Decene, homopolymer, hydrogenated CAS Number: 0068037-01-4 Synonyms: Dec-1-ene, homopolymer, hydrogenated	30 - 60	Not Classified	No data available
Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based CAS Number: 0072623-87-1 Synonyms: Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil-unspecified	30 - 60	Not Classified	No data available
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives CAS Number: 0061791-44-4 Synonyms: Tallow bis(2-hydroxyethyl)amine	0.1 - 1	Metal corrosion;H290 Acute toxicity(oral), category 4;H302 Skin corrosion/irritation category 1C;H314 Skin sensitizer category 1;H317 Serious eye damage / eye irritation, category 1;H318 Aquatic toxicity (acute), category 1;H400	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.
Skin	May cause an allergic skin reaction.

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.
Avoid breathing dust, fume, gas, mist, vapours, spray.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.



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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: Strong oxidizing substances. Strong acids. Strong bases.

See section 2 for further details. - [Storage]

Specific end use(s)

No data available.

Section 8. Exposure controls / personal protection

Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0061791-44-4	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	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
0068037-01-4	1-Decene, homopolymer, hydrogenated	ACGIH	No Established Limit



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		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
0072623-87-1	Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based	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

Contains mineral oil. The exposure limits for oil mist are 5 mg/m³ OSHA PEL and 10 mg/m³ ACGIH.

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.



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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 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

Appearance	Brown Liquid
Odor	Characteristic
Odor threshold	Not determined
pH	Not Available
Melting point / freezing point	Not Available
Initial boiling point and boiling range	Not Available
Flash Point	220 °C
Evapouration rate (Ether = 1)	Not Available
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Available Upper Explosive Limit: Not Available
Vapour pressure (Pa)	Not Available
Vapour Density	Not Available
Relative Density	0.84 g/ml (15.00 °C)
Solubility in Water	Insoluble in water
Partition coefficient n-octanol/water (Log Kow)	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
Viscosity (cSt)	Kinematic viscosity:34.7 mm ² /s (40 °C)
Other information	
DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)	

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
1-Decene, homopolymer, hydrogenated - (68037-01-4)	> 5,000.00, Rat - Category: NA	3,000.00, Rabbit - Category: 5	No data available	4,800.00, Rat - Category: NA	No data available
Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based - (72623-87-1)	> 5,000.00, Rat - Category: NA	> 5,000.00, Rabbit - Category: NA	No data available	? 4.70, Rat - Category: NA	No data available
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives - (61791-44-4)	No data available	No data available	No data available	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
0061791-44-4	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0068037-01-4	1-Decene, homopolymer, hydrogenated	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0072623-87-1	Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based	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	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	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.

Skin May cause an allergic skin reaction.

Section 12. Ecological information

Toxicity

Harmful to aquatic life with long lasting effects.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
1-Decene, homopolymer, hydrogenated - (68037-01-4)	Not Available	Not Available	Not Available
Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based - (72623-87-1)	Not Available	Not Available	Not Available
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives - (61791-44-4)	Not Available	Not Available	Not Available

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



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This product contains no PBT/vPvB chemicals.

Other adverse effects

No data available.

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			
IMDG	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-Propanamine, 3-(C9-11-isoalkyloxy) derivs., C10-rich (UVCB)
- 1-Decene, homopolymer, hydrogenated (UVCB XU)
- Ethanol, 2,2'-iminobis-, N-C12-18-alkyl derivs. (UVCB)
- Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives (UVCB)



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Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based (UVCB)

Canadian Domestic Substance List (DSL):

1-Decene, homopolymer, hydrogenated

Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives

Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based

Canadian Non-Domestic Substance List (NDSL):

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

New Jersey RTK Substances (>1%):

1-Decene, homopolymer, hydrogenated

Pennsylvania RTK Substances (>1%):

1-Decene, homopolymer, hydrogenated

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
1-Decene, homopolymer, hydrogenated (0068037-01-4)	Yes	Yes	Yes	No	No	No	Yes	Yes
Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based (0072623-87-1)	Yes	Yes	Yes	Yes	No	No	No	No
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives (0061791-44-4)	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
1-Decene, homopolymer, hydrogenated (0068037-01-4)	Yes	Yes	No	No	No	No	Yes	Yes
Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based (0072623-87-1)	Yes	No	No	No	No	No	Yes	Yes



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Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives (0061791-44-4)	Yes	No	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:

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

End of Document