



**Safety Data Sheet**  
**Complies with 29 CFR 1910.1200 &with**  
**Hazardous Products Regulations**  
**(SOR/2015-17)**  
**CRP PENTOSIN EDF-2**

Revision Date: 09/15/2023

## 1. Identification

**Product identifier**

**Product Identity**

CRP PENTOSIN EDF-2

**Other means of identification**

CRP PENTOSIN EDF-2

**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:**

## 2. Hazard(s) identification

**Classification of the substance or mixture**

Skin sensitizer category 1A;H317

May cause an allergic skin reaction.

Aquatic toxicity (acute), category 3;H402

Harmful to aquatic life.

**Label elements**



### Warning

H317 May cause an allergic skin reaction.

H402 Harmful to aquatic life.

**[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, and face protection.

**[Response]**

P302+352 IF ON SKIN: Wash with plenty of soap and water.



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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.

**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
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	65 - 85	Not Classified	No data available
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-unspecified CAS Number: 0072623-86-0 Synonyms: Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-unspecified	3 - 7	Not Classified	No data available
maleic anhydride CAS Number: 0000108-31-6 Synonyms: Furandione	< 0.1	Acute toxicity(oral), category 4;H302 Skin corrosion/irritation category 1B;H314 Respiratory sensitization, category 1;H334 Skin sensitizer category 1A;H317 C ≥ 0.001 % Specific target organ toxicity, repeated exposure category 1;H372 Serious eye damage / eye irritation, category 1;H318	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.

Contains aquatic toxins below 1%: maleic anhydride (0000108-31-6) Ethanol, 2,2'-(9-octadecenyloxy)bis- (0025307-17-9) Phosphonic acid, dibutyl ester, reaction products with 2-(octylthio)ethanol (1041187-44-3)

**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.



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<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.
<b>Most important symptoms and effects, both acute and delayed</b>	
<b>Overview</b>	No specific symptom data available. Treat symptomatically. See section 2 for further details.
<b>Skin</b>	May cause an allergic skin reaction.

**Section 5. Fire-fighting measures**

**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.

**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.



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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.

**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**

**Exposure**

CAS No.	Ingredient	Source	Value
0000108-31-6	maleic anhydride	ACGIH	TWA: 0.1 ppm
		Alberta	0.1 ppm TWA; 0.4 mg/m <sup>3</sup> TWA
		British Columbia	0.1 ppm TWA
		Manitoba	0.01 mg/m <sup>3</sup> TWA (inhalable fraction and vapour)
		New Brunswick	0.25 ppm TWA; 1.0 mg/m <sup>3</sup> TWA
		Newfoundland and Labrador	0.01 mg/m <sup>3</sup> TWA (inhalable fraction and vapour)
		Nova Scotia	0.01 mg/m <sup>3</sup> TWA (inhalable fraction and vapour)
		Northwest Territories	0.1 ppm TWA 0.3 ppm STEL
		Nunavut	0.1 ppm TWA 0.3 ppm STEL



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		Ontario	0.01 mg/m <sup>3</sup> TWA (inhalable fraction and vapour)
		Prince Edward Island	0.01 mg/m <sup>3</sup> TWA (inhalable fraction and vapour)
		Quebec	0.25 ppm TWAEV; 1.0 mg/m <sup>3</sup> TWAEV
		Saskatchewan	0.1 ppm TWA 0.3 ppm STEL
		Yukon	0.25 ppm TWA; 1 mg/m <sup>3</sup> TWA 0.25 ppm STEL; 1 mg/m <sup>3</sup> STEL
0072623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-unspecified	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
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



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		Yukon	No Established Limit
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Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup> OSHA PEL and 10 mg/m<sup>3</sup> 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.
- 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**

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

<b>Physical State</b>	Liquid
<b>Color</b>	Yellow
<b>Odor</b>	Characteristic
<b>Melting point / freezing point</b>	Not applicable for mixtures
<b>Initial boiling point and boiling range</b>	Value not relevant for classification
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Available <b>Upper Explosive Limit:</b> Not Available
<b>Flash Point</b>	190 °C
<b>Auto-ignition temperature</b>	Not Available
<b>Decomposition temperature</b>	Not Available
<b>pH</b>	Substance/mixture is non-soluble (in water)
<b>Viscosity (cSt)</b>	Kinematic viscosity: 22.5 mm <sup>2</sup> /s (40 °C)
<b>Solubility in Water</b>	Insoluble in water
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Available
<b>Vapour pressure (Pa)</b>	Not Available
<b>Relative Density</b>	0.85 g/cm <sup>3</sup> (15 °C)
<b>Vapour Density</b>	Not Available
<b>Evaporation rate (Ether = 1)</b>	Not Available



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**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.

**Possibility of hazardous reactions**

No data available.

**Conditions to avoid**

No data available.

**Incompatible materials**

No data available.

**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
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.	?	No data available.
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-unspecified - (72623-86-0)	No data available.	No data available.	No data available.	No data available.	No data available.
maleic anhydride - (108-31-6)	No data available.	No data available.	No data available.	No data available.	No data available.

**Carcinogen Data**

CAS No.	Ingredient	Source	Value
0000108-31-6	maleic anhydride	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	A4
0072623-86-0		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;



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	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-unspecified	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
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	1A	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
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.

**Skin**                                      May cause an allergic skin reaction.

**Section 12. Ecological information**

**Toxicity**

**Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based - (72623-87-1)	No data available.	No data available.	No data available.
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-unspecified - (72623-86-0)	No data available.	No data available.	No data available.
maleic anhydride - (108-31-6)	75.00, Lepomis macrochirus	42.81, Daphnia magna	74.35, Pseudokirchneriella subcapitata





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**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.

**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.

	<b>TDG (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>UN number</b>	Not Regulated	Not Regulated	Not Regulated
<b>UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>Transport hazard class(es)</b>	<b>TDG 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>Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>Environmental hazards</b>	Marine Pollutant: No;		
<b>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.



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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)**

- Ethanol, 2,2'-(9-octadecenylimino)bis- ( )
- Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-unspecified (UVCB )
- Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based (UVCB )
- maleic anhydride ( )

**Canadian Domestic Substance List (DSL):**

- Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-unspecified
- 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%) :**

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

- maleic anhydride

**Pennsylvania RTK Substances (>1%) :**

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

- maleic anhydride

**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
Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based (0072623-87-1)	Yes	Yes	Yes	Yes	No	No	No	No
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-unspecified (0072623-86-0)	Yes	Yes	Yes	Yes	No	No	No	Yes
maleic anhydride (0000108-31-6)	Yes	Yes	Yes	Yes	No	No	No	Yes

Chemical Name (CAS Number)	China IECSC	Japan ENCS	Japan ISHL	Japan PDSC	Japan PRTR 1	Japan PRTR 2	Philippines PICCS	New Zealand NZIOC
Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based (0072623-87-1)	Yes	No	No	No	No	No	Yes	Yes
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-unspecified (0072623-86-0)	Yes	Yes	No	No	No	No	Yes	Yes



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Chemical Name (CAS Number)	China IECSC	Japan ENCS	Japan ISHL	Japan PDSCL	Japan PRTR 1	Japan PRTR 2	Philippines PICCS	New Zealand NZIOC
maleic anhydride (0000108-31-6)	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes

**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:

Not Applicable

End of Document