Corsol 150, Corsol 200, Corsol 300, Corsol 500, Corsol 750, Corsol 1800, Corsol 1200, Corsol 1500, Corsol 2000, Corsol 2400

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
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SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : Corsol 150, Corsol 200, Corsol 300, Corsol 500, Corsol 750, Corsol 1800, Corsol 1200, Corsol 1500, Corsol 2000, Corsol 2400

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Process oil, Chemical Carrier, Lubricant

1.3. Supplier

Cross Oil Refining & Marketing, Inc.
484 E. 6th Street
Smackover, AR, 71762
US
T 870-864-7500
www.crossoil.com

1.4. Emergency telephone number

Emergency number : CHEMTREC (800) 424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labelling

No labelling applicable

2.3. Other hazards which do not result in classification (HNOC)

None

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Hydrotreated Heavy Naphthenic Base Oil	CAS-No.: 64742-52-5	100

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of lukewarm water and mild soap. Take off contaminated clothing.

First-aid measures after eye contact : Rinse eyes gently with for several minutes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if more than an incidental amount is ingested, or if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

High velocity injection of grease under the skin may result in serious injury. If left untreated, the affected area is subject to infection, disfigurement, lack of blood circulation and may require amputation. Within 24 to 48 hours the patient may experience swelling, discoloration, and pain.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically. In event of high velocity injection of grease under the skin, seek immediate treatment even if bleeding, pain, or other symptoms are not evident.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. Unsuitable extinguishing media: Jetted water.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire :Toxic fumes may be released including carbon monoxide, aldehydes, ketones, and carbon dioxide.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures :Immediately turn off/isolate any ignition sources. Ventilate spillage area. Contain spillage. Avoid contact with skin, eyes and clothing. Keep unnecessary persons away.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Prevent spillage from entering sewers, storm drains, and the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into the correct type of absorbent material.

Other information : Dispose of spillage and cleanup materials at an authorized site in compliance with pertaining regulations.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a ventilated place in a labeled closed container protected from physical damage and ignition sources. Keep cool and out of direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Corsol 150, Corsol 200, Corsol 300, Corsol 500, Corsol 750, Corsol 1800, Corsol 1200, Corsol 1500, Corsol 2000, Corsol 2400

No additional information available

Hydrotreated Heavy Naphthenic Base Oil (64742-52-5)

OSHA TWA (ppm): 500 OSHA TWA (mg/mg3): 2000

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Oil-Protective gloves

Eye protection:

Safety glasses or goggles

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Clear and light to dark amber.
Colour	:	Brown to amber
Odour	:	Mild hydrocarbon
Odour threshold	:	No data available
pH	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	218 – 587 °C
Flash point	:	168 – 225 °C
Relative evaporation rate (butylacetate=1)	:	No data available
Flammability (solid, gas)	:	Flash point at or above 200°F/93°C Not applicable.
Vapour pressure	:	< 0.0001 mm Hg
Relative vapour density at 20 °C	:	No data available
Relative density	:	0.9 – 0.928
Density	:	7.53 – 7.744 lb/gal
Solubility	:	Material insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	21.8 mm²/s @ 40°C, 590.31 cSt @ 100°C
Viscosity, dynamic	:	No data available
Explosive limits	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified.
Acute toxicity (inhalation) : Not classified

Hydrotreated Heavy Naphthenic Base Oil (64742-52-5)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 dermal rabbit	2000 mg/kg Source: IUCLID
LC50 Inhalation - Rat (Dust/Mist)	5.53 mg/l Source: ECHA
ATE US (dermal)	2000 mg/kg bodyweight
ATE US (dust,mist)	5.53 mg/l/4h

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified.
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

Hydrotreated Heavy Naphthenic Base Oil (64742-52-5)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

Aspiration hazard : Not classified
Viscosity, kinematic : 21.8 mm²/s @ 40°C, 590.31 cSt @ 100°C

Hydrotreated Heavy Naphthenic Base Oil (64742-52-5)	
Viscosity, kinematic	1.99 – 847 mm²/s Temp.: '40°C' Parameter: 'mm²/smm2/s '
Hydrocarbon	Yes

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product may coat fish gill structures resulting in suffocation and may prevent dermal respiration in amphibians.
The product may damage or kill grasses and small plants by interfering with transpiration. The product is rapidly biodegradable.

Hydrotreated Heavy Naphthenic Base Oil (64742-52-5)	
LC50 - Fish [1]	> 5000 mg/l Source: IUCLID

Hydrotreated Heavy Naphthenic Base Oil (64742-52-5)	
EC50 - Crustacea [1]	> 1000 mg/l Source: IUCLID
EC50 96h - Algae [1]	> 1000 mg/l Source: IUCLID

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Hydrotreated Heavy Naphthenic Base Oil (64742-52-5)	
Partition coefficient n-octanol/water (Log Pow)	3.9 – 6 Source: IUCLID

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with all pertaining regulations. Arrange disposal through knowledgable persons and properly licensed disposal professionals.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

DOT

Not regulated

TDG
Not regulated

IMDG
Not regulated

IATA
Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Hydrotreated Heavy Naphthenic Base Oil	64742-52-5	Present	Active	

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Hydrotreated Heavy Naphthenic Base Oil (64742-52-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Hydrotreated Heavy Naphthenic Base Oil (64742-52-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision date : 4/23/2024

Safety Data Sheet (SDS), USA

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