



SAFETY DATA SHEET

Section 1 – Identification

1.1 Product identifier

Product Name : Curvegard 0

1.2 Product usage

Recommended Usage : Lubricating grease
Restricted Usage : Not intended for any other usage

Please note : Curvegard 0 is a trade name belonging to David Weber Oil Co. and is exclusively available through David Weber Oil Co. and/or its authorized distributors

1.3 Emergency support

Emergency Support : CHEMTREC
United States +1(800) 424-9300
International +01(703) 527-3887

1.4 Supplier Information

David Weber Oil Co.
601 Industrial Road
Carlstadt, NJ 07072
Manufacturer: Battenfeld Grease & Oil

Section 2- Hazards Identification

2.1 Classification of Substance Mixture

GHS Rating(s) : The product is not classified according to the Globally Harmonized System (GHS).
Signal Word : Not Applicable

2.2 Label Elements

GHS label elements : Void
Hazard pictograms : Void
Signal word : Void
Hazard statements : Void

2.4 Other Hazards

Results of PBT and vPvB assessment : Not applicable.

2.3 Classification system

NFPA ratings (scale 0 - 4)
Health : 1
Fire : 1
Reactivity : 1
HMIS-ratings (scale 0 - 4)
Health : 1
Fire : 1
Reactivity : 0

Section 3 - Composition/ Information on Ingredients

3.1 Substance details

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions

Dangerous components	CAS#	%Weight
ASPHALTIC	8052-42-4	2.0- <25%
MOLYBDENUM DISULPHIDE	1317-33-5	2.5- <10%
ZINC DIALKYLTHIOPHOSPHATE	68457-79-4	0.1- <1%

Section 4 – First aid Measures

4.1 First aid measures

After inhalation:	In case of unconsciousness place patient stably in side position for transportation.
After skin contact:	Immediately wash with water and soap and rinse thoroughly.
After eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing:	If symptoms persist consult doctor.
Information for doctor:	Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed.

Section 5 – Fire Fighting

5.1 Extinguishing Media

Suitable extinguishing agents : Use fire fighting measures that suit the environment.

Special hazards arising from the substance or mixture No further relevant information available.

5.2 Firefighters Advice

Protective equipment : No special measures required.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

General Measures : Not required.

6.2 Environmental Precautions

Non-Emergency Personnel : Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

6.3 Materials & Methods to Contain and Cleanup

Reference to other sections : See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information

Containment and Cleanup : Ensure adequate ventilation

Section 7 - Handling & Storage

7.1 Safe Handling

Personal Protective Equipment : Put on appropriate personal protective equipment (see section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, keep lid tightly closed when not in use. Empty containers that retain product residue and can be hazardous. Do not reuse container.

7.2 Safe Storage

Storage and receptacles : No special requirements.

Information about storage in one common storage facility : Not required.

Further information about storage conditions : Keep receptacle.

Requirements to be met by storerooms : Tightly sealed.

7.3 Specific End Use

Designed Purpose : No further relevant information available.

Section 8 - Exposure Control

8.1 Components with limit values that require monitoring at the workplace:

64742-65-0 Distillates (petroleum), solvent-dewaxed heavy paraffinic (50-100%)

ACGIH TLV	Long-term value: 5 mg/m ³
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OSHA PEL	Long-term value: 5 mg/m ³
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8052-42-4 Asphaltic Resin (20-<25%)

PEL	Long-term value: 5 mg/m ³
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REL	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ Ceiling limit value: 5* mg/m ³ *15-min; See Pocket Guide App. A
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TLV	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ *inh. fraction; as benzene-soluble aerosol; BEIp
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64742-52-5 Distillates (petroleum), hydro treated heavy naphthenic (2.5-<10%)

ACGIH TLV	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³
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OSHA PEL	Long-term value: 5 mg/m ³
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1317-33-5 molybdenum disulphide (2.5-<10%)

PEL	Long-term value: 15* mg/m ³ *Total dust
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TLV	Long-term value: 10* 3** mg/m ³ as Mo; *inhalable fraction ** respirable fraction
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8.2 Ingredients with biological limit values:

8052-42-4 Asphaltic Resin (20-<25%)

BEI	Long-term value: 5 mg/m ³
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Additional information: The lists that were valid during the creation were used as basis.

8.3 Exposure Controls

- General protective and hygienic measures** : Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
- Breathing equipment** : In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- Protection of hands** : S Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves** : The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove Material** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection:** R tightly sealed goggles

Section 9 - Physical & Chemical Properties

9.1 Information On Basic Physical and Chemical Properties

General Information	
Appearance: · Form · Color · Odor · Odor threshold	Semi- Solid. Dark grey Petroleum- like Not determined
pH-value:	Not applicable.
Change in condition: · Melting point/Melting range · Boiling point/Boiling range	Undetermined. 370 °C (698 °F)
Flash point:	255 °C (491 °F)
Flammability (solid, gaseous):	Not determined
Ignition temperature:	315 °C (> 599 °F)
Decomposition temperature:	Not determined.
Auto igniting:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard
Explosion limits: · Lower · Upper ·	Not determined. Not determined.
Vapor pressure:	Not applicable.
Density at 20 °C (68 °F): Relative density Vapor density Evaporation rate	D1.11161 g/cm ³ (9.276 lbs/gal) Not determined. Not applicable. Not applicable.
Solubility in / Miscibility with Water:	Insoluble.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity: · Dynamic · Kinematic	Not applicable. Not applicable.
Solvent content: · Organic solvents	0.0 %
Solids content Other information	8.3 % No further relevant information available.

Section 10 - Stability & Reactivity

Thermal decomposition / conditions to be avoided	: No decomposition if used according to specifications.
Possibility of hazardous reactions	: No dangerous reactions known.
Conditions to avoid	: No further relevant information available.
Incompatible materials	: No further relevant information available.
Hazardous decomposition products	: No dangerous decomposition products known.

Section 11- Toxicological Information

11.1 Toxicological Effects

Acute toxicity:

LD/LC50 values that are relevant for classification:		
ATE (Acute Toxicity Estimates)		
Oral	LD50	60241 mg/kg (rat)
Dermal	LD50	8554 mg/kg (rabbit)
Inhalative	LC50/4 h	29.5 mg/l

Primary irritant effect:

on the skin : Irritant to skin and mucous membranes.

on the eye : Irritating effect.

Sensitization : No sensitizing effects known.

Additional toxicological information : The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)		
8052-42-4	Asphaltic Resin	2B
NTP (National Toxicology Program)		
None of the ingredients is listed.		
OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

Section 12 - Ecological Information

Aquatic toxicity	: No further relevant information available.
Persistence and degradability	: No further relevant information available.
Behavior in environmental systems	
• Bioaccumulative potential	: No further relevant information available.
• Mobility in soil	: No further relevant information available.
General notes	: Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment	
• PBT	: Not applicable.
• vPvB	: Not applicable.
Other adverse effects	: No further relevant information available.

Section 13 - Disposal Considerations

13.1 Waste treatment

Waste treatment methods	: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Uncleaned packagings:	: Disposal must be made according to official regulations.

Section – 14 Transportation Information

UN-Number: DOT, ADN, IMDG, IATA	Not regulated.
UN proper shipping name: DOT, ADN, IMDG, IATA	Not regulated.
Transport hazard class(es): DOT, ADN, IMDG, IATA Class	Not regulated.
Packing group: DOT, IMDG, IATA	Not regulated.
Environmental hazards: Marine pollutant	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation"	-

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture.

-Sara

Section 355 (extremely hazardous substances)

: None of the ingredients is listed.

Section 313 (Specific toxic chemical listings)

: 68457-79-4 Zinc Dialkylthiophosphate 0.1-<1%

TSCA (Toxic Substances Control Act)

: All ingredients are listed.

-Proposition 65

Chemicals known to cause cancer

: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females

: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males

: None of the ingredients is listed.

Chemicals known to cause developmental toxicity

: None of the ingredients is listed.

-Carcinogenic categories

EPA (Environmental Protection Agency)

: None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

: 8052-42-4 Asphaltic Resin A4

NIOSH-Ca (National Institute for Occupational Safety and Health)

: 8052-42-4 Asphaltic Resin

GHS label elements

: Void

Hazard pictograms

: Void

Signal word

: Void

Hazard statements

: Void

Chemical safety assessment

: A Chemical Safety Assessment has not been carried out.

Section 16 - Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of preparation / last revision : 09/21/2015

Abbreviations and acronyms:

ADR	: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG	: International Maritime Code for Dangerous Goods DOT: US Department of Transportation
IATA	: International Air Transport Association
ACGIH	: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances
CAS	: Chemical Abstracts Service (division of the American Chemical Society)
NFPA	: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) LC50: Lethal concentration, 50 percent
LD50	: Lethal dose, 50 percent

* Data compared to the previous version altered.