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29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name : Valvoline OEX-ALL GREASE

Recommended use of the chemical and restrictions on use

Details of the supplier of the safety data sheet Valvoline LLC 3499 Blazer Parkway Lexington, KY 40509 United States of America SDS@valvoline.com	Emergency telephone number 1-800-VALVOLINE Regulatory Information Number 1-800-TEAMVAL Product Information 1-800-TEAMVAL
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SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

GHS Label element

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).


Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture


Hazardous components (s) - 298m [()] TJ ET EM6FCrT E q 226.61 168.14 14.1J 1 9.96 Tf 1 0Ch130u DC BT /

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TITANIUM DIOXIDE (TiO2)	13463-67-7	This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).	1.00
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SECTION 4. FIRST AID MEASURES

- General advice : No hazards which require special first aid measures.
- If inhaled : If breathed in, move person into fresh air.
If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
- In case of eye contact : Remove contact lenses.
Protect unharmed eye.
- If swallowed : Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be6.61 4Png (en-GB)>> BDC q88.e c

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Cough

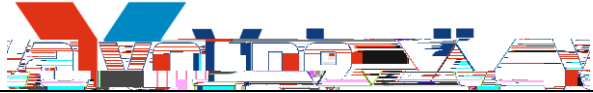
Notes to physician : No hazards which require special first aid measures.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

- Water spray
- Foam
- Carbon dioxide (CO₂)
- Dry chemical

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

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respective authorities.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

Other information : Comply with all applicable federal, state, and local regulations.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Container hazardous when empty.
Smoking, eating and drinking should be prohibited in the application area.
For personal protection see section 8.


Conditions for safe storage : Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : No materials to be especially mentioned.


SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

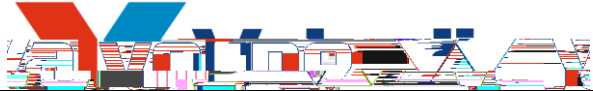
Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis

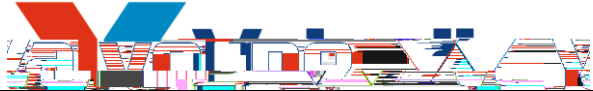
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		Ceil_Time	15 mg/m3 Dust	NIOSH/GUID E
		STEL	10 mg/m3 Fume.	NIOSH/GUID E
		PEL	15 mg/m3 Total dust.	OSHA_TRA NS
		PEL	5 mg/m3 Fume.	OSHA_TRA NS
		PEL	5 mg/m3 Respirable fraction.	OSHA_TRA NS
		TWA	10 mg/m3 Total dust.	Z1A
		TWA	5 mg/m3 Fume.	Z1A
		TWA	5 mg/m3 Respirable fraction.	Z1A
		STEL	10 mg/m3 Fume.	Z1A

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Method: OECD Test Guideline 402

Assessment: No adverse effect has been observed in acute dermal toxicity tests.

TITANIUM DIOXIDE (TiO₂):

Acute oral toxicity : LD 50 (Rat): > 24,000 mg/kg

Acute inhalation toxicity : LC 50 (Rat): > 6,820 mg/m³
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD 50 (Rabbit): > 10,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components :

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHA:

Species: Rabbit

Result: Not irritating to skin

ZINC OXIDE:

Result: Possibly irritating to skin

TITANIUM DIOXIDE (TiO₂):

Result: Possibly irritating to skin

Serious eye damage/eye irritation

Not classified based on available information.

Product:


Remarks: Unlikely to cause eye irritation or injury.

Components :

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHA:

Species: Rabbit

Result

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Test Type: Maximisation Test (GPMT)
Species: Guinea pig
Method: OECD Test Guideline 406

Germ cell mutagenicity

Not classified based on available information.

Components :

ZINC OXIDE:

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

Genotoxicity in vivo : Test Type: Micronucleus test
Test species: Mouse
Method: OECD Test Guideline 474
Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Components :

ZINC OXIDE:

Effects on foetal development : Species: Rat
Application Route: inhalation (dust/mist/fume)
Symptoms: No specific developmental abnormalities
Method: OECD Test Guideline 414

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks: No data available

Components :

TITANIUM DIOXIDE (TiO₂):

Remarks: Lung


Carcinogenicity:

IARC Group 2B: Possibly carcinogenic to humans

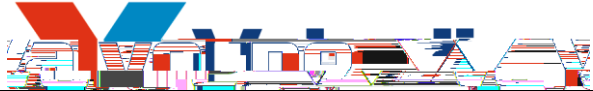
TITANIUM DIOXIDE (TiO₂) 13463-67-7

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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Toxicity to algae : EC50 (*Pseudokirchneriella subcapitata* (green algae)): 0.136 mg/l
Exposure time:

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Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Mobility in soil

Components:

No data available

Other adverse effects

No data available

Product:

Additional ecological information

: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life with long lasting effects.

Components:

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

General advice

: The product should not be allowed to enter drains, water courses or the soil.

Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging

: Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.ETQ EMC /P <</MCID 4t




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CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
METHANOL	67-56-1	5000	769230.769231

SARA 311/312 Hazards : No SARA Hazards

SARA 313 Component(s)

ZINC OXIDE	1314-13-2	4.00 %
ZINC DIAMYL DITHIOCARBAMATE	15337-18-5	0.75 %

Pennsylvania Right To Know

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHA	64742-52-5	70.00 - 90.00 %
BIS(HYDROGENATED TALLOW ALKYL)DIMETHYL AMMONIUM SALTS WITH MONTMORILLONITE	68911-87-5	5.00 - 10.00 %
ZINC OXIDE	1314-13-2	1.00 - 5.00 %
TITANIUM DIOXIDE (TIO2)	13463-67-7	1.00 - 5.00 %

New Jersey Right To Know

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHA	64742-52-5	70.00 - 90.00 %
BIS(HYDROGENATED TALLOW ALKYL)DIMETHYL AMMONIUM SALTS WITH MONTMORILLONITE	68911-87-5	5.00 - 10.00 %
ZINC OXIDE	1314-13-2	1.00 - 5.00 %
TITANIUM DIOXIDE (TIO2)	13463-67-7	1.00 - 5.00 %
METHANOL	67-56-1	0.10 - 1.00 %


California Prop 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
METHANOL 67-56-1

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL.

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- AUSTR : On the inventory, or in compliance with the inventory
- ENCS : On the inventory, or in compliance with the inventory
- KECL : On the inventory, or in compliance with the inventory
- PICCS : On the inventory, or in compliance with the inventory
- IECSC : On the inventory, or in compliance with the inventory

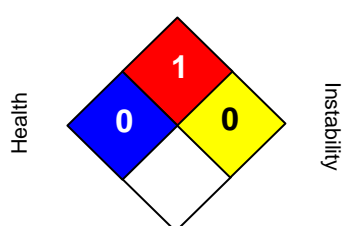
Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

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<p>NFPA:</p> <div style="text-align: center;"> <p>Flammability</p>  <p>Health Instability</p> <p>Special hazard.</p> </div>	<p>HMIS III:</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="background-color: blue; color: white;">HEALTH</td> <td>0</td> </tr> <tr> <td style="background-color: red; color: white;">FLAMMABILITY</td> <td>1</td> </tr> <tr> <td style="background-color: yellow;">PHYSICAL HAZARD</td> <td>0</td> </tr> </table> <p>0 = not significant, 1 =Slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic</p>	HEALTH	0	FLAMMABILITY	1	PHYSICAL HAZARD	0
HEALTH	0						
FLAMMABILITY	1						
PHYSICAL HAZARD	0						

NFPA Flammable and Combustible Liquids Classification


Combustible Liquid Class IIIB

Full text of H-Statements referred to under sections 2 and 3.

- H225 Highly flammable liquid and vapor.
- H301 Toxic if swallowed.
- H311 Toxic in contact with skin.

Further information

Sources of key data used to compile the Safety Data Sheet
 Valvoline internal data including own and sponsored test reports
 The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

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The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Valvoline's Environmental Health and Safety Department (1-800-825-8654).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

IATA- ' * 5 ' D Q J H U R X V * R R G V 5 H J X O D W L R Q E \ W K H ³, Q W H U Q D W L R Q D O \$ L U

ICAO : International Civil Aviation Organization

ICAO- 7 , , & \$ 2 7 H F K Q L F D O , Q V W U X F W L R Q V E \ W K H ³, Q W H U Q D W L R Q D O

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for S- <00440057> 2p.584 662.98 Tm[]]-7(or S- <004404(f)-9(or Da.96 7194e)4(r)-3-7(n

