Safety Data Sheet
acc. to OSHA HCS

Printing date 05/30/2023 Reviewed on 11/08/2022

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1 Identification

· **Product identifier**

· **Trade name: WHITE GREASE**

· **Application of the substance / the mixture**
Grease
Only for proper handling.

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**

MOTOREX AG
Bern–Zürich–Strasse 31, Postfach
CH–4901 Langenthal
Tel. +41 (0)62 919 75 75
www.motorex.com

· **Information department:** msds@motorex.com
· **Emergency telephone number:**
USA + Kanada: 1 800 424 9300 (Chemtrec Chemical Manufacturers Association, Arlington, VA 22209)

2 Hazard(s) identification

· **Classification of the substance or mixture**

Aquatic Acute 3 H402 Harmful to aquatic life.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· **Label elements**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms** Void
· **Signal word** Void
· **Hazard statements**
H412 Harmful to aquatic life with long lasting effects.
· **Precautionary statements**
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· **Classification system:**
· **NFPA ratings (scale 0 - 4)**

Health = 0
Fire = 1
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = *0
Fire = 1
Reactivity = 0

· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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3 Composition/information on ingredients

· **Chemical characterization: Mixtures**
· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**		
CAS: 95-38-5 EINECS: 202-414-9	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol Acute Toxicity - Oral 3, H301; Skin Corrosion 1B, H314; Eye Damage 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥0.25-<1%
CAS: 110-25-8 EINECS: 203-749-3	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine Eye Damage 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315	≥0.25-<1%

4 First-aid measures

· **Description of first aid measures**
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
Remove residues with soap and water.
Remove contaminated clothing immediately.
· **After eye contact:** Rinse opened eye for several minutes under running water.
· **After swallowing:**
Do not induce vomitting. Do not take in resorption stimulating agents.
Consult a physician who will decide on need and method of emptying the stomach.
· **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

· **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.
· **Advice for firefighters**
· **Protective equipment:** No special measures required.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Not required.
· **Environmental precautions:**
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.
· **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
· **Protective Action Criteria for Chemicals**

· **PAC-1:**
None of the ingredients is listed.

· **PAC-2:**
None of the ingredients is listed.

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· **PAC-3:**
None of the ingredients is listed.

· **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.

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7 Handling and storage

· **Precautions for safe handling** No special precautions are necessary if used correctly.
· **Information about protection against explosions and fires:** No special measures required.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:**
The recommended storage temperature is (deg.C): ≤50°C
· **Storage class:** 11
· **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection

· **Control parameters**
· **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**
· **Additional information about design of technical systems:** No further data; see section 7.
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
· **Breathing equipment:**
Not necessary if room is well-ventilated.
Respiratory protection if formation of aerosol or mist: use mask with filter type A2, A2/P2 or ABEK.
· **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
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:** Not required.

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· **Body protection:** Protective work clothing

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9 Physical and chemical properties

· **Information on basic physical and chemical properties**
· **General Information**

· **Color:**	White
· **Odor:**	Characteristic
· **Odor threshold:**	Not determined.
· **Melting point/Melting range:**	Undetermined.
· **Boiling point/Boiling range:**	Undetermined.
· **Flammability (solid, gaseous):**	Not determined.
· **Explosion limits:**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Flash point:**	>200 °C (>392 °F)
· **Decomposition temperature:**	Not determined.
· **pH-value:**	Not applicable.
· **Viscosity:**	NLGI 2
· **Kinematic:**	Not applicable.
· **Consistency**	
· **Dynamic:**	Not applicable.
· **Solubility in / Miscibility with**	
· **Water:**	Insoluble.
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Vapor pressure:**	Not applicable.
· **Vapor pressure:**	
· **Density at 20 °C (68 °F):**	0.96 g/cm³ (8.011 lbs/gal) (ASTM D 4052)
· **Relative density**	Not determined.
· **Vapor density**	Not applicable.

· **Other information**	
· **Appearance:**	
· **Form:**	Pasty
· **Important information on protection of health and environment, and on safety.**	
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Solvent separation test**	
· **VOC content:**	0.00 %
· **Change in condition**	
· **Drip point:**	>180 °C (>356 °F)
· **Evaporation rate**	Not applicable.

10 Stability and reactivity

· **Reactivity** No further relevant information available.
· **Chemical stability**
· **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.

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11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**		
95-38-5 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol		
Oral	LD50	1,000-1,265 mg/kg (rat)
	NOAEL	20 mg/kg/24h (rat)
110-25-8 (Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine		
Oral	LD50	5,000 mg/kg (rat)
	NOAEL	1,000 mg/kg/24h (rat)
Inhalative	LC50 / 1h	1.8-3.7 mg/l (rat)
	LC50 / 4h	1.01-1.85 mg/l (rat)
	NOEL	6 mg/m3 (rat)
	NOAEC	60 mg/m3 (rat)

· **on the skin:** Based on available data, the classification criteria are not met.
· **on the eye:** Based on available data, the classification criteria are not met.
· **Sensitization:** Based on available data, the classification criteria are not met.
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** Based on available data, the classification criteria are not met.
· **Specific target organ toxicity - single exposure**
Based on available data, the classification criteria are not met.
· **Specific target organ toxicity - repeated exposure**
Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.
· **Additional toxicological information:**

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.

· **NTP (National Toxicology Program)**
None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

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12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**	
95-38-5 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	
LC0	0.18 mg/l/96h (fish)
LC100	0.58 mg/l/96h (fish)
EC10	0.0122-0.0143 mg/l/72h (algae / cyanobacteria)
EC50	0.0169-0.03 mg/l/72h (algae / cyanobacteria)
EC100	0.326 mg/l/48h (aquatic invertebrates)
EC0	0.064 mg/l/48h (aquatic invertebrates)
EC50	0.163 mg/l/48h (aquatic invertebrates)
NOEC	0.011 mg/l/72h (algae / cyanobacteria)

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110-25-8 (Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	
LC50	9.3 mg/l/96h (fish)
EC50	1,300 mg/l/3h (microorganisms)
EC50	6.3 mg/l/72h (algae / cyanobacteria)
EC50	0.43 mg/l/48h (aquatic invertebrates)
NOEC	0.91 mg/l/72h (algae / cyanobacteria)
NOEC	6.81 mg/l/96h (fish)
NOEC	0.38 mg/l/48h (aquatic invertebrates)
NOEC	10 mg/l/3h (microorganisms)

· **Persistence and degradability** No further relevant information available.

· **Bioaccumulative potential**	
95-38-5 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	
Biologische Abbaubarkeit	1 % (28d) (Biodegradability) (OECD 301 B)
110-25-8 (Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	
Partition coefficient	3.5-4.2 [---] (log Kow) (Bioaccumulation)
Biologische Abbaubarkeit	85.2 % (28d) (Biodegradability) (OECD 301 B)

· **Mobility in soil** No further relevant information available.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects**
· **Remark:** Harmful to fish
· **Additional ecological information:**
· **General notes:**
Water hazard class 2 (Self-classification according VwVwS, 17.05.1999): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms

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13 Disposal considerations

· **Waste treatment methods**
· **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Contact waste processors for recycling information.
Return product and/or partially emptied container in original packaging to the point of sale or hand it over to a collection point for special waste.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**	
· **DOT, ADR/RID/ADN, ADN, IMDG, IATA**	Void
· **UN proper shipping name**	
· **DOT, ADR/RID/ADN, ADN, IMDG, IATA**	Void

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· **Transport hazard class(es)**	
· **DOT, ADR/RID/ADN, ADN, IMDG, IATA**	
· **Class**	Void
· **Packing group**	
· **DOT, ADR/RID/ADN, IMDG, IATA**	Void
· **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":**	Void

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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):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

None of the ingredients is 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)**

None of the ingredients is listed.

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

None of the ingredients is listed.

· **National chemical directories**

Components listed or exempted from listing:
TSCA (USA)
DSL/NDSL (CDN)

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ENCS/METI (J)
AICS (Aus)
IECSC (CN)
EINECS/ELINCS/NLP (EU)
ECL/KECI (KOR)
PICCS (RP)

· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

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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.
The classification of the mixture was carried out by calculation in accordance with the rules laid down in Annex I of Regulation (EC) No 1272/2008.
No special training instructions to ensure protection of human health and environment are required.

· **Department issuing SDS:** Abteilung Produktsicherheit
· **Date of preparation / last revision** 05/30/2023
· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international 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
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)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Toxicity - Oral 3: Acute toxicity – Category 3
Acute Toxicity - Inhalation 4: Acute toxicity – Category 4
Skin Corrosion 1B: Skin corrosion/irritation – Category 1B
Skin Irritation 2: Skin corrosion/irritation – Category 2
Eye Damage 1: Serious eye damage/eye irritation – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
· *** Data compared to the previous version altered.**