



Safety Data Sheet

Mighty Heavy Duty Compound

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Mighty Heavy Duty Compound
Product number	DL6050
Brand	Mighty

1.3 Recommended use of the chemical and restrictions on use

Automotive Polish

1.4 Supplier's details

Name	Mighty Distributing System of America 650 Engineering Drive Norcross, GA 30092
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Telephone	800-829-3900
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1.5 Emergency phone number

CHEMTREC 800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, oral, Cat. 5
- Carcinogenicity, Cat. 1B
- Germ cell mutagenicity, Cat. 1B
- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 2
- Sensitization, skin, Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram



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Signal word

Danger

Hazard statement(s)

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H332	Harmful if inhaled
H340	May cause genetic defects [route]
H350	May cause cancer [route]

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash ... thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER/doctor/...
P312	Call a POISON CENTER/doctor/.../ if you feel unwell.
P321	Specific treatment (see ... on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Component	Concentration
Water (CAS no.: 7732-18-5; EC no.: 231-791-2) CLASSIFICATIONS: No data available. HAZARDS: No data available.	40 - 70 % (weight)
Glycerine (CAS no.: 56-81-5; EC no.: 200-289-5) CLASSIFICATIONS: No data available. HAZARDS: No data available.	0.5 - 2 % (weight)
Naphtha (petroleum), heavy alkylate (CAS no.: 101316-67-0; EC no.: 309-871-4; Index no.: 649-288-00-5) CLASSIFICATIONS: Carcinogenicity, Cat. 1B; Germ cell mutagenicity, Cat. 1B; Aspiration hazard, Cat. 1. HAZARDS: H304 - May be fatal if swallowed and enters airways; H340 - May cause genetic defects [route]; H350 - May cause cancer [route].	5 - 12 % (weight)
Distillates (petroleum), hydrotreated middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen (CAS no.: 64742-46-7; EC no.: 265-148-2; Index no.: 649-221-00-X) CLASSIFICATIONS: Carcinogenicity, Cat. 1B. HAZARDS: H350 - May cause cancer [route].	5 - 12 % (weight)
Mineral oil (CAS no.: 8042-47-5; EC no.: 232-455-8) CLASSIFICATIONS: No data available. HAZARDS: No data available.	0.5 - 2 % (weight)
Aluminum oxide (CAS no.: 1344-28-1; EC no.: 215-691-6) CLASSIFICATIONS: No data available. HAZARDS: No data available.	20 - 30 % (weight)
Castor oil (CAS no.: 8001-79-4; EC no.: 232-293-8) CLASSIFICATIONS: No data available. HAZARDS: No data available.	1 - 4 % (weight)
3-butoxypropan-2-ol (CAS no.: 5131-66-8; EC no.: 225-878-4; Index no.: 603-052-00-8) CLASSIFICATIONS: Skin corrosion/irritation, Cat. 2; Eye damage/irritation, Cat. 2A. HAZARDS: H315 - Causes skin irritation; H319 - Causes serious eye irritation.	1 - 3 % (weight)

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2-Methyl-2H-isothiazol-3-one (CAS no.: 2682-20-4; EC no.: 220-239-6; Index no.: 613-326-00-9)	1 - 3 % (weight)
CLASSIFICATIONS: Acute toxicity, inhalation, Cat. 2; Acute toxicity, dermal, Cat. 3; Acute toxicity, oral, Cat. 3; Skin corrosion/irritation, Cat. 1B; Eye damage/irritation, Cat. 1; Sensitization, skin, Cat. 1A; Hazardous to the aquatic environment, short-term (acute), Cat. 1; Hazardous to the aquatic environment, long-term (chronic), Cat. 1. HAZARDS: H301 - Toxic if swallowed; H311 - Toxic in contact with skin; H314 - Causes severe skin burns and eye damage; H317 - May cause an allergic skin reaction; H318 - Causes serious eye damage; H330 - Fatal if inhaled; H400 - Very toxic to aquatic life; H410 - Very toxic to aquatic life with long lasting effects. [SCLs/M-factors/ATEs]: Skin Sens. 1A; H317: C ≥ 0,0015 %; M=10; M=1	
Ethanolamine (CAS no.: 141-43-5; EC no.: 205-483-3; Index no.: 603-030-00-8)	0.5 - 1 % (weight)
CLASSIFICATIONS: Flammable liquids, Cat. 4; Eye damage/irritation, Cat. 1; Specific target organ toxicity (single exposure), Cat. 3; Hazardous to the aquatic environment, short-term (acute), Cat. 2; Hazardous to the aquatic environment, long-term (chronic), Cat. 3; Acute toxicity, inhalation, Cat. 4; Acute toxicity, dermal, Cat. 4; Acute toxicity, oral, Cat. 4; Skin corrosion/irritation, Cat. 1B. HAZARDS: H227 - Combustible liquid; H302 - Harmful if swallowed; H312 - Harmful in contact with skin; H314 - Causes severe skin burns and eye damage; H318 - Causes serious eye damage; H332 - Harmful if inhaled; H335 - May cause respiratory irritation; H401 - Toxic to aquatic life; H412 - Harmful to aquatic life with long lasting effects. [SCLs/M-factors/ATEs]: STOT SE 3; H335: C ≥ 5 %	

Trade secret statement (OSHA 1910.1200(i))

*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
In case of skin contact	Rinse with plenty of water. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice. Acute and delayed symptoms and effects: May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	Rinse mouth. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: Harmful if swallowed. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

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5.2 Specific hazards arising from the chemical

Castor oil: Carbon oxides

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Glycerine (CAS: 56-81-5 EC: 200-289-5)

TWA (Inhalation): 15 mg/m³; USA (OSHA)

USA. Occupational Exposure Limits(OSHA) - Table Z-1 Limits for Air Contaminants

TWA (Inhalation): 10 mg/m³; USA (ACGIH)

USA. ACGIH Threshold Limit Values (TLV)/Upper Respiratory Tract irritation

PEL (Inhalation): 15 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m³, PNOR (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³, PNOR (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 5 mg/m³; USA (OSHA)

USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminant

2. Mineral oil (CAS: 8042-47-5 EC: 232-455-8)

TWA (Inhalation): 5 mg/m³; USA (ACGIH)

USA. ACGIH Threshold Limit Values

(TLV)

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ST (Inhalation): 10 mg/m³; USA (OSHA)
USA. NIOSH Recommended Exposure Limits

TWA (Inhalation): 5 mg/m³; USA (NIOSH)
USA. NIOSH Recommended Exposure Limits

TWA (Inhalation): 5 mg/m³; USA (OSHA)
USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

PEL (Inhalation): 5 mg/m³; USA (Cal/OSHA)
California permissible exposure limits for chemical contaminants (Title 8, Article 107)

3. Aluminum oxide (CAS: 1344-28-1)

PEL (Inhalation): see PNOR (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): See Appendix D (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 15 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m³ (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³ (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

4. Castor Oil (CAS: 8001-79-4 EC: 232-293-8)

REL-TWA: 10 mg/m³ (Total) (NIOSH)

REL-TWA: 5 mg/m³ (Resp) (NIOSH)

5. Ethanolamine (CAS: 141-43-5)

PEL (Inhalation): 3 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 6 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 3 ppm, (ST) 6 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 3 ppm, (ST) 6 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 3 ppm (ACGIH)
Eye irritation. Skin irritation

STEL (Inhalation): 6 ppm (ACGIH)
Eye irritation. Skin irritation

TLV® (Inhalation): 3 ppm, (ST) 6 ppm; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

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Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection

Distribution, Workplace and Household Settings: No special protective equipment required. Product Manufacturing Plant (needed at Product-Producing Plant ONLY): In case of insufficient ventilation wear suitable respiratory equipment

SECTION 9: Physical and chemical properties and safety characteristics

Basic physical and chemical properties

Appearance	Cream
Color	White
Odor	Solvent
Melting point/freezing point	Not available
Boiling point or initial boiling point and boiling range	Not available
Flammability	Not available
Lower and upper explosion limit/flammability limit	Not available
Flash point	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
pH	Not available
Kinematic viscosity	Not available
Solubility	Not available
Partition coefficient n-octanol/water (log value)	Not available
Vapor pressure	Not available
Evaporation rate	Not available
Density and/or relative density	Not available
Relative vapor density	Not available

Particle characteristics

Not available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Glycerine : Strong bases, Strong oxidizing agents

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Aluminum oxide: Strong acids, Strong bases, Chlorine trifluoride, Ethylene oxide, Halogenated hydrocarbon, Oxygen difluoride, Sodium nitrate, Vinyl compounds, Oxygen, Nitrates, Halogens

10.6 Hazardous decomposition products

Water: In the event of fire: see section 5

Glycerine : Other decomposition products - No data available
In the event of fire: see section 5

Mineral oil: Hazardous decomposition products formed under fire conditions. - Carbon oxides
Other decomposition products - No data available
In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

The ATE (oral) of the mixture is: 3125 mg/kg bw

Aluminum oxide

LD50 Oral - Rat - > 10,000 mg/kg

LC50 Inhalation - Rat - > 2.6 mg/ - 4 h

Rabbit

Result: Irritating to eyes

Rabbit

Result: non irritating

Glycerol

LD50 Oral - Rat - 12,600 mg/kg

LD50 Skin - Rabbit - >10,000 mg/kg

MONOETHANOLAMINE

LD50 Oral - Rat - 1,089 mg/kg

LD50 Skin - Rabbit - 1,015 mg/kg

LD50 Oral - Rat - 1,089 mg/kg

Result: (OECD Test Guideline 401)

LD50 Skin - Rat - 1,015 mg/kg

28 d

Result: > 70 % - Readily biodegradable

LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h

EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h

EC50 - Pseudomonas putida - 110 mg/l - 17 h

LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h

EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h

EC50 - Pseudomonas putida - 110 mg/l - 17 h

Rabbit

Result: Corrosive

Rabbit

Result: Causes burns

White mineral oil

LD50 Oral - Rat - >5,000 mg/kg

Remarks: (OECD Test Guideline 401)

LD50 Inhalation - Rat - 5 mg/l - 4 h

Remarks: (OECD Test Guideline 403)

LD50 Skin - Rabbit - >2,000 mg/kg

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Remarks: (OECD Test Guideline 402)

Result: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.

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.

LC50 - Oncorhynchus mykiss (rainbow trout) - >100 mg/l - 96 h

Remarks: (OECD Test Guideline 203)

LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h

Remarks: (OECD Test Guideline 202)

Skin corrosion/irritation

Aluminum oxide

LD50 Oral - Rat - > 10,000 mg/kg

LC50 Inhalation - Rat - > 2.6 mg/ - 4 h

Rabbit

Result: Irritating to eyes

Rabbit

Result: non irritating

Glycerol

LD50 Oral - Rat - 12,600 mg/kg

LD50 Skin - Rabbit - >10,000 mg/kg

MONOETHANOLAMINE

LD50 Oral - Rat - 1,089 mg/kg

LD50 Skin - Rabbit - 1,015 mg/kg

LD50 Oral - Rat - 1,089 mg/kg

Result: (OECD Test Guideline 401)

LD50 Skin - Rat - 1,015 mg/kg

28 d

Result: > 70 % - Readily biodegradable

LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

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LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h

EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h

EC50 - Pseudomonas putida - 110 mg/l - 17 h

Rabbit

Result: Corrosive

Rabbit

Result: Causes burns

White mineral oil

LD50 Oral - Rat - >5,000 mg/kg

Remarks: (OECD Test Guideline 401)

LD50 Inhalation - Rat - 5 mg/l - 4 h

Remarks: (OECD Test Guideline 403)

LD50 Skin - Rabbit - >2,000 mg/kg

Remarks: (OECD Test Guideline 402)

Result: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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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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.

LC50 - Oncorhynchus mykiss (rainbow trout) - >100 mg/l - 96 h

Remarks: (OECD Test Guideline 203)

LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h

Remarks: (OECD Test Guideline 202)

Serious eye damage/irritation

Aluminum oxide

LD50 Oral - Rat - > 10,000 mg/kg

LC50 Inhalation - Rat - > 2.6 mg/ - 4 h

Rabbit

Result: Irritating to eyes

Rabbit

Result: non irritating

Glycerol

LD50 Oral - Rat - 12,600 mg/kg

LD50 Skin - Rabbit - >10,000 mg/kg

MONOETHANOLAMINE

LD50 Oral - Rat - 1,089 mg/kg

LD50 Skin - Rabbit - 1,015 mg/kg

LD50 Oral - Rat - 1,089 mg/kg

Result: (OECD Test Guideline 401)

LD50 Skin - Rat - 1,015 mg/kg

28 d

Result: > 70 % - Readily biodegradable

LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h

EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h

EC50 - Pseudomonas putida - 110 mg/l - 17 h

LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h

EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h

EC50 - Pseudomonas putida - 110 mg/l - 17 h

Rabbit

Result: Corrosive

Rabbit

Result: Causes burns

White mineral oil

LD50 Oral - Rat - >5,000 mg/kg

Remarks: (OECD Test Guideline 401)

LD50 Inhalation - Rat - 5 mg/l - 4 h

Remarks: (OECD Test Guideline 403)

LD50 Skin - Rabbit - >2,000 mg/kg

Remarks: (OECD Test Guideline 402)

Result: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.

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.

LC50 - Oncorhynchus mykiss (rainbow trout) - >100 mg/l - 96 h

Remarks: (OECD Test Guideline 203)

LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h

Remarks: (OECD Test Guideline 202)

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Respiratory or skin sensitization

Aluminum oxide

LD50 Oral - Rat - > 10,000 mg/kg

LC50 Inhalation - Rat - > 2.6 mg/ - 4 h

Rabbit

Result: Irritating to eyes

Rabbit

Result: non irritating

Glycerol

LD50 Oral - Rat - 12,600 mg/kg

LD50 Skin - Rabbit - >10,000 mg/kg

MONOETHANOLAMINE

LD50 Oral - Rat - 1,089 mg/kg

LD50 Skin - Rabbit - 1,015 mg/kg

LD50 Oral - Rat - 1,089 mg/kg

Result: (OECD Test Guideline 401)

LD50 Skin - Rat - 1,015 mg/kg

28 d

Result: > 70 % - Readily biodegradable

LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h

EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h

EC50 - Pseudomonas putida - 110 mg/l - 17 h

LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h

EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h

EC50 - Pseudomonas putida - 110 mg/l - 17 h

Rabbit

Result: Corrosive

Rabbit

Result: Causes burns

White mineral oil

LD50 Oral - Rat - >5,000 mg/kg

Remarks: (OECD Test Guideline 401)

LD50 Inhalation - Rat - 5 mg/l - 4 h

Remarks: (OECD Test Guideline 403)

LD50 Skin - Rabbit - >2,000 mg/kg

Remarks: (OECD Test Guideline 402)

Result: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.

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.

LC50 - Oncorhynchus mykiss (rainbow trout) - >100 mg/l - 96 h

Remarks: (OECD Test Guideline 203)

LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h

Remarks: (OECD Test Guideline 202)

Germ cell mutagenicity

Aluminum oxide

LD50 Oral - Rat - > 10,000 mg/kg

LC50 Inhalation - Rat - > 2.6 mg/ - 4 h

Rabbit

Result: Irritating to eyes

Rabbit

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Result: non irritating

Glycerol

LD50 Oral - Rat - 12,600 mg/kg

LD50 Skin - Rabbit - >10,000 mg/kg

MONOETHANOLAMINE

LD50 Oral - Rat - 1,089 mg/kg

LD50 Skin - Rabbit - 1,015 mg/kg

LD50 Oral - Rat - 1,089 mg/kg

Result: (OECD Test Guideline 401)

LD50 Skin - Rat - 1,015 mg/kg

28 d

Result: > 70 % - Readily biodegradable

LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h

EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h

EC50 - Pseudomonas putida - 110 mg/l - 17 h

LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h

EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h

EC50 - Pseudomonas putida - 110 mg/l - 17 h

Rabbit

Result: Corrosive

Rabbit

Result: Causes burns

White mineral oil

LD50 Oral - Rat - >5,000 mg/kg

Remarks: (OECD Test Guideline 401)

LD50 Inhalation - Rat - 5 mg/l - 4 h

Remarks: (OECD Test Guideline 403)

LD50 Skin - Rabbit - >2,000 mg/kg

Remarks: (OECD Test Guideline 402)

Result: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.

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.

LC50 - Oncorhynchus mykiss (rainbow trout) - >100 mg/l - 96 h

Remarks: (OECD Test Guideline 203)

LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h

Remarks: (OECD Test Guideline 202)

Carcinogenicity

Aluminum oxide

LD50 Oral - Rat - > 10,000 mg/kg

LC50 Inhalation - Rat - > 2.6 mg/ - 4 h

Rabbit

Result: Irritating to eyes

Rabbit

Result: non irritating

Glycerol

LD50 Oral - Rat - 12,600 mg/kg

LD50 Skin - Rabbit - >10,000 mg/kg

MONOETHANOLAMINE

LD50 Oral - Rat - 1,089 mg/kg

LD50 Skin - Rabbit - 1,015 mg/kg

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LD50 Oral - Rat - 1,089 mg/kg
Result: (OECD Test Guideline 401)
LD50 Skin - Rat - 1,015 mg/kg
28 d
Result: > 70 % - Readily biodegradable
LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h
EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h
EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h
EC50 - Pseudomonas putida - 110 mg/l - 17 h
LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h
EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h
EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h
EC50 - Pseudomonas putida - 110 mg/l - 17 h
Rabbit
Result: Corrosive
Rabbit
Result: Causes burns
White mineral oil
LD50 Oral - Rat - >5,000 mg/kg
Remarks: (OECD Test Guideline 401)
LD50 Inhalation - Rat - 5 mg/l - 4 h
Remarks: (OECD Test Guideline 403)
LD50 Skin - Rabbit - >2,000 mg/kg
Remarks: (OECD Test Guideline 402)

Result: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.

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.

LC50 - Oncorhynchus mykiss (rainbow trout) - >100 mg/l - 96 h

Remarks: (OECD Test Guideline 203)

LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h

Remarks: (OECD Test Guideline 202)

Reproductive toxicity

Aluminum oxide

LD50 Oral - Rat - > 10,000 mg/kg

LC50 Inhalation - Rat - > 2.6 mg/l - 4 h

Rabbit

Result: Irritating to eyes

Rabbit

Result: non irritating

Glycerol

LD50 Oral - Rat - 12,600 mg/kg

LD50 Skin - Rabbit - >10,000 mg/kg

MONOETHANOLAMINE

LD50 Oral - Rat - 1,089 mg/kg

LD50 Skin - Rabbit - 1,015 mg/kg

LD50 Oral - Rat - 1,089 mg/kg

Result: (OECD Test Guideline 401)

LD50 Skin - Rat - 1,015 mg/kg

28 d

Result: > 70 % - Readily biodegradable

LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h

Safety Data Sheet

Mighty Heavy Duty Compound

EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h
EC50 - Pseudomonas putida - 110 mg/l - 17 h
LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h
EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h
EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h
EC50 - Pseudomonas putida - 110 mg/l - 17 h
Rabbit
Result: Corrosive
Rabbit
Result: Causes burns
White mineral oil
LD50 Oral - Rat - >5,000 mg/kg
Remarks: (OECD Test Guideline 401)
LD50 Inhalation - Rat - 5 mg/l - 4 h
Remarks: (OECD Test Guideline 403)
LD50 Skin - Rabbit - >2,000 mg/kg
Remarks: (OECD Test Guideline 402)

Result: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.

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.

LC50 - Oncorhynchus mykiss (rainbow trout) - >100 mg/l - 96 h
Remarks: (OECD Test Guideline 203)
LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h
Remarks: (OECD Test Guideline 202)

STOT-single exposure

Aluminum oxide
LD50 Oral - Rat - > 10,000 mg/kg
LC50 Inhalation - Rat - > 2.6 mg/ - 4 h
Rabbit
Result: Irritating to eyes
Rabbit
Result: non irritating
Glycerol
LD50 Oral - Rat - 12,600 mg/kg
LD50 Skin - Rabbit - >10,000 mg/kg
MONOETHANOLAMINE
LD50 Oral - Rat - 1,089 mg/kg
LD50 Skin - Rabbit - 1,015 mg/kg
LD50 Oral - Rat - 1,089 mg/kg
Result: (OECD Test Guideline 401)
LD50 Skin - Rat - 1,015 mg/kg
28 d
Result: > 70 % - Readily biodegradable
LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h
EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h
EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h
EC50 - Pseudomonas putida - 110 mg/l - 17 h
LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h
EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h
EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h
EC50 - Pseudomonas putida - 110 mg/l - 17 h
Rabbit

Safety Data Sheet

Mighty Heavy Duty Compound

Result: Corrosive

Rabbit

Result: Causes burns

White mineral oil

LD50 Oral - Rat - >5,000 mg/kg

Remarks: (OECD Test Guideline 401)

LD50 Inhalation - Rat - 5 mg/l - 4 h

Remarks: (OECD Test Guideline 403)

LD50 Skin - Rabbit - >2,000 mg/kg

Remarks: (OECD Test Guideline 402)

Result: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.

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.

LC50 - Oncorhynchus mykiss (rainbow trout) - >100 mg/l - 96 h

Remarks: (OECD Test Guideline 203)

LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h

Remarks: (OECD Test Guideline 202)

STOT-repeated exposure

Aluminum oxide

LD50 Oral - Rat - > 10,000 mg/kg

LC50 Inhalation - Rat - > 2.6 mg/ - 4 h

Rabbit

Result: Irritating to eyes

Rabbit

Result: non irritating

Glycerol

LD50 Oral - Rat - 12,600 mg/kg

LD50 Skin - Rabbit - >10,000 mg/kg

MONOETHANOLAMINE

LD50 Oral - Rat - 1,089 mg/kg

LD50 Skin - Rabbit - 1,015 mg/kg

LD50 Oral - Rat - 1,089 mg/kg

Result: (OECD Test Guideline 401)

LD50 Skin - Rat - 1,015 mg/kg

28 d

Result: > 70 % - Readily biodegradable

LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h

EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h

EC50 - Pseudomonas putida - 110 mg/l - 17 h

LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h

EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h

EC50 - Pseudomonas putida - 110 mg/l - 17 h

Rabbit

Result: Corrosive

Rabbit

Result: Causes burns

White mineral oil

LD50 Oral - Rat - >5,000 mg/kg

Remarks: (OECD Test Guideline 401)

LD50 Inhalation - Rat - 5 mg/l - 4 h

Safety Data Sheet

Mighty Heavy Duty Compound

Remarks: (OECD Test Guideline 403)

LD50 Skin - Rabbit - >2,000 mg/kg

Remarks: (OECD Test Guideline 402)

Result: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.

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.

LC50 - Oncorhynchus mykiss (rainbow trout) - >100 mg/l - 96 h

Remarks: (OECD Test Guideline 203)

LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h

Remarks: (OECD Test Guideline 202)

Aspiration hazard

Aluminum oxide

LD50 Oral - Rat - > 10,000 mg/kg

LC50 Inhalation - Rat - > 2.6 mg/ - 4 h

Rabbit

Result: Irritating to eyes

Rabbit

Result: non irritating

Glycerol

LD50 Oral - Rat - 12,600 mg/kg

LD50 Skin - Rabbit - >10,000 mg/kg

MONOETHANOLAMINE

LD50 Oral - Rat - 1,089 mg/kg

LD50 Skin - Rabbit - 1,015 mg/kg

LD50 Oral - Rat - 1,089 mg/kg

Result: (OECD Test Guideline 401)

LD50 Skin - Rat - 1,015 mg/kg

28 d

Result: > 70 % - Readily biodegradable

LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 65 mg/l - 48 h

EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h

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LC50 - Cyprinus carpio (Carp) - 150 mg/l - 96 h

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EC50 - Selenastrum capricornutum (green algae) - 2.8 mg/l - 72 h

EC50 - Pseudomonas putida - 110 mg/l - 17 h

Rabbit

Result: Corrosive

Rabbit

Result: Causes burns

White mineral oil

LD50 Oral - Rat - >5,000 mg/kg

Remarks: (OECD Test Guideline 401)

LD50 Inhalation - Rat - 5 mg/l - 4 h

Remarks: (OECD Test Guideline 403)

LD50 Skin - Rabbit - >2,000 mg/kg

Remarks: (OECD Test Guideline 402)

Result: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Safety Data Sheet

Mighty Heavy Duty Compound

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.

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.

LC50 - Oncorhynchus mykiss (rainbow trout) - >100 mg/l - 96 h

Remarks: (OECD Test Guideline 203)

LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h

Remarks: (OECD Test Guideline 202)

SECTION 12: Ecological information

Toxicity

No data available on product

Persistence and degradability

Monoethanolamine: Biodegradability aerobic - Exposure time 28 d

Result: > 70 % - Readily biodegradable

(OECD Test Guideline 301F)

Bioaccumulative potential

Monoethanolamine: <http://webnet.oecd.org/ccrweb/ChemicalDetails.aspx?ChemicalID=A51B9C16-0837-416F-9697-991CEC9F46D1>

Bioaccumulative (B)?

No

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of contents/ container in accordance with the local/regional/national/international regulations. Non Household Setting: Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Solutions of diluted detergent in the course of use, may be allowed to be flushed down sewer. First check with your local water treatment plant. Recycling is undiluted scrap product. Do not landfill. Household Use: Household product is safe for disposal down the drain during detergent use or in the trash. Dispose of empty bottle in the trash or recycle where facilities exist.

Packaging disposal

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Safety Data Sheet

Mighty Heavy Duty Compound

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Chronic Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Glycerol

CAS-No. 56-81-5

Chemical name: Aluminum oxide

CAS number: 1344-28-1

Pennsylvania Right To Know Components

Water

CAS-No. 7732-18-5

Glycerol

CAS-No. 56-81-5

White mineral oil

CAS-No. 8042-47-5

Chemical name: Aluminum oxide

CAS number: 1344-28-1

Castor oil

CAS-No. 8001-79-4

Common name: Ethanolamine

CAS number: 141-43-5

Chemical name: Ethanol, 2-amino-

CAS number: 141-43-5

New Jersey Right To Know Components

Water

CAS-No. 7732-18-5

Glycerol

CAS-No. 56-81-5

White mineral oil

CAS-No. 8042-47-5

Chemical name: Aluminum oxide

Safety Data Sheet

Mighty Heavy Duty Compound

CAS number: 1344-28-1

Castor oil
CAS-No. 8001-79-4

Common name: Ethanolamine
CAS number: 141-43-5

Common name: ETHANOLAMINE
CAS number: 141-43-5

California Prop. 65 Components

This product does contain chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian Domestic Substances List (DSL)

Chemical name: Water
CAS: 7732-18-5

Chemical name: 1,2,3-Propanetriol
CAS: 30918-77-5

Chemical name: 1,2,3-Propanetriol
CAS: 56-81-5

Chemical name: Naphtha (petroleum), heavy alkylate
CAS: 64741-65-7

Chemical name: Paraffin oils
CAS: 8012-95-1

Chemical name: White mineral oil (petroleum)
CAS: 8042-47-5

Chemical name: Aluminum oxide (Al₂O₃)
CAS: 1344-28-1

Chemical name: Castor oil
CAS: 8001-79-4

Chemical name: 2-Propanol, 1-butoxy-
CAS: 5131-66-8

Chemical name: 3(2H)-Isothiazolone, 2-methyl-
CAS: 2682-20-4

Chemical name: Ethanol, 2-amino-
CAS: 141-43-5

SECTION 16: Other information