AAT 502

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard and the Hazardous Products Regulation (WHMIS 2015)
Issue date: 8/1/2024 Revision date: 8/1/2024 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form	:	Mixture
Trade name	:	AAT 502
Product code	:	502

1.2. Recommended use and restrictions on use

Recommended use	:	Automotive Care Products, Polishing agent
Restrictions on use	:	None known

1.3. Supplier

3D International
20724 Centre Pointe Pkwy #1
Santa Clarita, CA 91350
T 888-999-7627

1.4. Emergency telephone number

Emergency number	:	(Chemical Spills, Leaks, Fire, Exposure or Accident only) CHEMTREC 1-800-424-9300 (in the US & Canada) 1-703-527-3887 (Outside the US)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Serious eye damage Category 1	Causes serious eye damage

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US)	:	Danger
Hazard statements (GHS US)	:	Causes serious eye damage
Precautionary statements (GHS US)	:	Wear eye protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : None known.

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	%
Distallates (petroleum), hydrotreated light	CAS-No.: 64742-47-8	15-40
Aluminum Oxide	CAS-No.: 1344-28-1	10-30
White Mineral Oil (Petroleum)	CAS-No.: 8042-47-5	10 – 30
Undecan-1-ol ethoxylated	CAS-No.: 34398-01-1	1 – 5
Propylene glycol	CAS-No.: 57-55-6	1 – 5

Comments : *Chemical name, CAS number and/or exact concentration have been withheld as a trade secret
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 after inhalation : No first aid should be needed.
First-aid measures after skin contact : Wash with soap and water. Seek medical attention if irritation develops. Take off contaminated clothing. Wash contaminated clothing before reuse.
First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion : Rinse mouth out with water. Call a poison center or a doctor if you feel unwell.

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

Inhalation : No adverse effects expected.
Skin : Prolonged or repeated contact may cause skin to become dry.
Eyes : Causes serious eye damage.
Ingestion : Irritation to the digestive tract.
Chronic symptoms : None known.

4.3. Immediate medical attention and special treatment, if necessary

Immediate medical attention is required for eye contact.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : None.

5.2. Specific hazards arising from the chemical

Fire hazard : This product is not classified as flammable or combustible.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO2).

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers.

Protection during firefighting : Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear suitable protective clothing. Avoid contact with eyes, skin and clothing.

6.1.1. For non-emergency personnel

Emergency procedures : Avoid contact with skin and eyes. Keep unnecessary and unprotected personnel away from the spillage.

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

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Absorb and/or contain spill with inert material, then place in suitable container.

Other information : Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes, skin and clothing. Wear eye protection. Wash thoroughly after handling.

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

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : No special storage required.

Incompatible materials : None known.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

White Mineral Oil (Petroleum) (8042-47-5)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Mineral oil, excluding metal working fluids Pure, highly and severely refined
ACGIH OEL TWA	5 mg/m³ (I - Inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024

White Mineral Oil (Petroleum) (8042-47-5)	
USA - OSHA - Occupational Exposure Limits	
Local name	Oil mist, mineral
OSHA PEL (TWA)	5 mg/m³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Propylene glycol (57-55-6)	
USA - AIHA - Occupational Exposure Limits	
WEEL TWA	10 mg/m³

Aluminum Oxide (1344-28-1)	
USA - OSHA - Occupational Exposure Limits	
Local name	alpha-Alumina
OSHA PEL (TWA)	15 mg/m³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls : No particular/specific measures required.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

In case of repeated or prolonged contact wear gloves. Consult glove manufacturer´s product information on material suitability and material thickness.

Eye protection:

Wear safety goggles or other eye protection to prevent eye contact.

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Not required for normal conditions of use. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Cream.
Color : Yellow
Odor : Fruity
Odor threshold : No data available
pH : 10 – 11
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : > 205 °F 96°C
Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas)	:	Not applicable.
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	0.96
Solubility	:	Partially soluble. water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	> 13900 mm²/s @40°C
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	None.
Oxidizing properties	:	None.

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 known.

10.5. Incompatible materials

Oxidizing agent.

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

Undecan-1-ol ethoxylated (34398-01-1)	
LD50 dermal rabbit	> 2000 mg/kg Source: Butch Company

White Mineral Oil (Petroleum) (8042-47-5)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 5 mg/l/4h No mortality

Distallates (petroleum), hydrotreated light (64742-47-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 6.8 mg/l/4h

Propylene glycol (57-55-6)	
LD50 oral rat	22000 mg/kg
LD50 dermal rat	20800 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Aluminum Oxide (1344-28-1)	
LD50 oral rat	> 5000 mg/kg
LC50 Inhalation - Rat	> 7.6 mg/l 1 h

Skin corrosion/irritation : Not classified
pH: 10 – 11

Undecan-1-ol ethoxylated (34398-01-1)	
pH	6.5

Serious eye damage/irritation : Causes serious eye damage.
pH: 10 – 11

Undecan-1-ol ethoxylated (34398-01-1)	
pH	6.5

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified

Distallates (petroleum), hydrotreated light (64742-47-8)	
NOAEL (animal/male, F0/P)	≥ 3000 mg/kg body weight Animal: rat, Animal sex: male

Aluminum Oxide (1344-28-1)	
NOAEL (animal/male, F0/P)	1000 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

White Mineral Oil (Petroleum) (8042-47-5)	
NOAEL (oral,rat,90 days)	≥ 1200 mg/kg body weight

Propylene glycol (57-55-6)	
NOAEL (subchronic,oral,animal/male,90 days)	443 mg/kg body weight Animal: cat, Animal sex: male

Aluminum Oxide (1344-28-1)	
NOAEC (inhalation,rat,dust/mist/fume,90 days)	0.07 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

Aspiration hazard : Not classified
Viscosity, kinematic : > 13900 mm²/s @40°C

White Mineral Oil (Petroleum) (8042-47-5)	
Viscosity, kinematic	> 3 mm²/s
Hydrocarbon	Yes

Distallates (petroleum), hydrotreated light (64742-47-8)	
Viscosity, kinematic	1.764 mm²/s @40C

Inhalation : No adverse effects expected.
Skin : Prolonged or repeated contact may cause skin to become dry.
Eyes : Causes serious eye damage.
Ingestion : Irritation to the digestive tract.
Chronic symptoms : None known.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Undecan-1-ol ethoxylated (34398-01-1)	
LC50 - Fish [1]	3.9 mg/l Source: ECOTOX

White Mineral Oil (Petroleum) (8042-47-5)	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 100 mg/l

Distallates (petroleum), hydrotreated light (64742-47-8)	
EC50 - Crustacea [1]	> 1000 mg/l

Propylene glycol (57-55-6)	
LC50 - Fish [1]	51400 mg/l Pimephales promelas (Fathead minnow)
EC50 - Crustacea [1]	43500 mg/l
LC50 - Fish [2]	51600 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 72h - Algae [1]	19300 mg/l Skeletonema costatum (marine diatom)
EC50 72h - Algae [2]	24200 mg/l Pseudokirchneriella subcapitata
EC50 96h - Algae [1]	19100 mg/l Skeletonema costatum (marine diatom)
EC50 96h - Algae [2]	19000 mg/l Pseudokirchneriella subcapitata

Aluminum Oxide (1344-28-1)	
EC50 72h - Algae [1]	1.05 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

12.2. Persistence and degradability

AAT 502	
Persistence and degradability	No additional information available.

Undecan-1-ol ethoxylated (34398-01-1)	
Persistence and degradability	Readily biodegradable.

White Mineral Oil (Petroleum) (8042-47-5)	
Persistence and degradability	Inherently biodegradable.

Distallates (petroleum), hydrotreated light (64742-47-8)	
Persistence and degradability	Inherently biodegradable.
Biodegradation	85 % OECD 301F (28d)

Propylene glycol (57-55-6)	
Persistence and degradability	Readily biodegradable.

Aluminum Oxide (1344-28-1)	
Persistence and degradability	Biodegradation is not applicable to inorganic compounds.

12.3. Bioaccumulative potential

Undecan-1-ol ethoxylated (34398-01-1)	
Partition coefficient n-octanol/water (Log Pow)	4 Source: EPISUITE

Propylene glycol (57-55-6)	
Partition coefficient n-octanol/water (Log Pow)	-0.92
Bioaccumulative potential	Low bioaccumulation potential.

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

Regional waste regulation : Dispose of in accordance with applicable federal, state, and local regulations.
Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

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

DOT	TDG	IMDG	IATA
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

AAT 502	
SARA Section 311/312 Hazard Classes	Refer to Section 2 for OSHA Hazard Classification.

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Aluminum Oxide	CAS-No. 1344-28-1	10-30%

15.2. International regulations

CANADA

Undecan-1-ol ethoxylated (34398-01-1)
Listed on the Canadian DSL (Domestic Substances List)

White Mineral Oil (Petroleum) (8042-47-5)
Listed on the Canadian DSL (Domestic Substances List)

Distallates (petroleum), hydrotreated light (64742-47-8)
Listed on the Canadian DSL (Domestic Substances List)

Propylene glycol (57-55-6)
Listed on the Canadian DSL (Domestic Substances List)

Aluminum Oxide (1344-28-1)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

AAT 502
Listed on the Canadian DSL (Domestic Substances List)

15.3. US State regulations

WARNING: This product can expose you to Ethylene oxide (Oxirane), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Component	State or local regulations
Propylene glycol(57-55-6)	U.S. - New Jersey - Right to Know Hazardous Substance List
Aluminum Oxide(1344-28-1)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard and the Hazardous Products Regulation (WHMIS 2015)

Revision date : 8/1/2024

Data sources : This safety data sheet was compiled with data and information from the following sources : RTECS, ECOSAR, HSDB, SIDS SIAP, CESAR, Chemical DB.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.