

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 1/4/2021 Revision date: 4/2/2025 Supersedes: 10/17/2024 Version: 1.8

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture

Trade name : WRL™ AEROSOL

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Lubricant

1.4. Supplier's details

Supplier

Whitmore Manufacturing LLC
930 Whitmore Drive
Rockwall, Texas, 75087
USA

T 1.972.771.1000

Regulatory@whitmores.com - www.jetlube.com

1.5. Emergency phone number

Emergency number : For Chemical Emergency Call Ricardo Emergency Response 24hr/day 7days/week
Within USA and Canada: +1.215.207.0061
Outside USA and Canada: +44.1235.239670
(collect calls accepted)

| Country/Area | Organization/Company | Address | Emergency number | Comment |
|---------------|-----------------------|---------|--------------------------------------|---------|
| United States | Ricardo-United States | | +1.866.928.0789 (toll-free, US only) | |

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

| | | |
|---|------|---|
| Gas under pressure : Liquefied gas | H280 | Contains gas under pressure; may explode if heated. |
| Flammable liquid, Category 4 | H227 | Combustible liquid. |
| Serious eye damage/eye irritation, Category 2 | H319 | Causes serious eye irritation. |

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US) : Warning

Hazard statements (GHS US)

: H227 - Combustible liquid
H280 - Contains gas under pressure; may explode if heated
H319 - Causes serious eye irritation

Precautionary statements (GHS US)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves, eye protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice or attention.
P370+P378 - In case of fire: Use appropriate media to extinguish.
P403 - Store in a well-ventilated place.
P410+P403 - Protect from sunlight. Store in a well-ventilated place.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

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2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS US classification |
|---|---------------------|----------------------|--|
| distillates, hydrotreated light | CAS-No.: 64742-47-8 | 40 – 60 | Flam. Liq. 3, H226 Asp. Tox. 1, H304 |
| Dodecenylsuccinic acid reaction product | CAS-No.: 29658-97-7 | 1.30464 – 1.73952 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 |

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Potential Adverse human health effects and symptoms : Causes serious eye irritation. (Annex VI). Causes skin irritation. May be fatal if swallowed and enters airways.
Symptoms/effects after eye contact : Eye irritation.

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

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Fire hazard : Extremely flammable aerosol.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Exercise caution. Spill area may be slippery. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.

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".

Environmental precautions : Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.
Other information : Dispose of materials or solid residues at an authorized site.

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For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid contact with skin and eyes. Wear personal protective equipment.

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

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep cool.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

| Materials for protective clothing: | | | | |
|---|---|------------------|-----------------|-------------|
| Wear protective clothing | | | | |
| Hand protection: | | | | |
| Neoprene or nitrile rubber gloves | | | | |
| Type | Material | Permeation | Thickness (mm) | Penetration |
| Disposable gloves | Nitrile rubber (NBR), Neoprene rubber (HNBR) | 2 (> 30 minutes) | 0.3 mm - 0.6 mm | |
| Eye protection: | | | | |
| Wear eye protection | | | | |
| Skin and body protection: | | | | |
| Wear suitable protective clothing | | | | |
| Respiratory protection: | | | | |
| Wear suitable respiratory equipment in case of insufficient ventilation | | | | |

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state : Liquid
Appearance : Aerosol.
Color : dark yellow
Odor : petroleum-like odor
Odor threshold : No data available
pH : 7
Melting point : No data available
Freezing point : -50 °C
Boiling point : 199 – 260 °C
Flash point : > 79 °C
Flammability (solid, gas) : Extremely flammable aerosol.

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| | |
|---|-----------------------|
| Vapor pressure | : No data available |
| Relative vapor density at 20°C | : No data available |
| Relative density | : No data available |
| Solubility | : Slightly soluble. |
| Partition coefficient n-octanol/water (Log Pow) | : 3.3 – 6 |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : 4.6 – 6 cSt (@40°C) |
| Explosion limits | : No data available |
| Particle characteristics | : No data available |

9.2. Data relevant with regard to physical hazard classes (supplemental)

| | |
|-----------|---------------------|
| Gas group | : Press. Gas (Liq.) |
|-----------|---------------------|

SECTION 10 Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol.

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

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

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 |

| distillates, hydrotreated light (64742-47-8) | |
|--|--|
| LD50 oral rat | > 5000 mg/kg body weight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method) |
| LD50 dermal rabbit | > 2000 mg/kg body weight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat | > 5.28 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 0,42 - |

Dodecenylsuccinic acid reaction product (29658-97-7)

| | |
|-----------------|-----------------------|
| LD50 oral rat | 300 – 2000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| ATE US (oral) | 300 mg/kg body weight |

| | |
|---------------------------|---------------------------|
| Skin corrosion/irritation | : Not classified pH: 7 |
|---------------------------|---------------------------|

| | |
|-------------------------------|---|
| Serious eye damage/irritation | : Causes serious eye irritation. pH: 7 |
|-------------------------------|---|

| | |
|-----------------------------------|------------------|
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |

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Carcinogenicity : Not classified

Reproductive toxicity : Not classified

| distillates, hydrotreated light (64742-47-8) | |
|--|--|
| NOAEL (animal/male, F0/P) | ≥ 3000 mg/kg body weight Animal: rat, Animal sex: male |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |

| distillates, hydrotreated light (64742-47-8) | |
|--|--|
| NOAEL (oral,rat,90 days) | 750 mg/kg body weight Animal: rat, Animal sex: female |
| NOAEC (inhalation,rat,vapor,90 days) | ≥ 0.024 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study) |

Aspiration hazard : Not classified

| distillates, hydrotreated light (64742-47-8) | |
|---|--|
| Viscosity, kinematic | 1.97 mm²/s (25 °C) |
| Potential Adverse human health effects and symptoms | : Causes serious eye irritation. (Annex VI). Causes skin irritation. May be fatal if swallowed and enters airways. |
| Symptoms/effects after eye contact | : Eye irritation. |

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| distillates, hydrotreated light (64742-47-8) | |
|--|---------------------------|
| LC50 - Fish [1] | 2.2 mg/l |
| EC50 - Crustacea [1] | > 100 mg/l (Invertebrata) |

12.2. Persistence and degradability

| WRL™ AEROSOL | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |

| distillates, hydrotreated light (64742-47-8) | |
|--|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |

| Dodecenylsuccinic acid reaction product (29658-97-7) | |
|--|------------------------|
| Persistence and degradability | Not rapidly degradable |

12.3. Bioaccumulative potential

| WRL™ AEROSOL | |
|---|---------|
| Partition coefficient n-octanol/water (Log Pow) | 3.3 – 6 |

| distillates, hydrotreated light (64742-47-8) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 6 – 8.2 |
| Bioaccumulative potential | High potential for bioaccumulation (Log Kow > 5). |

12.4. Mobility in soil

| distillates, hydrotreated light (64742-47-8) | |
|--|------------------------|
| Surface tension | 0.026 N/m (20 °C) |
| Ecology - soil | Adsorbs into the soil. |

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12.5. Other adverse effects





Ozone : Not classified
Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT | TDG | IMDG | IATA |
|---|---|--|--|
| 14.1. UN number | | | |
| UN1950 | UN1950 | 1950 | 1950 |
| 14.2. Proper Shipping Name | | | |
| Aerosols (CONTAINS : carbon dioxide, liquefied, under pressure) | AEROSOLS (CONTAINS : carbon dioxide, liquefied, under pressure) | AEROSOLS (CONTAINS : carbon dioxide, liquefied, under pressure) | Aerosols, non-flammable (CONTAINS : carbon dioxide, liquefied, under pressure) |
| Transport document description | | | |
| UN1950 Aerosols (CONTAINS : carbon dioxide, liquefied, under pressure), 2.2 | UN1950 AEROSOLS (CONTAINS : carbon dioxide, liquefied, under pressure), 2.2 | UN 1950 AEROSOLS (CONTAINS : carbon dioxide, liquefied, under pressure), 2.2, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1950 Aerosols, non-flammable (CONTAINS : carbon dioxide, liquefied, under pressure), 2.2, ENVIRONMENTALLY HAZARDOUS |
| 14.3. Transport hazard class(es) | | | |
| 2.2 | 2.2 | 2.2 | 2.2 |
|  |  |  |  |
| 14.4. Packing group | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes Marine pollutant: Yes | Dangerous for the environment: Yes |
| No supplementary information available | | | |

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

UN-No. (DOT) : UN1950
DOT Packaging Exceptions (49 CFR 173.xxx) : 306
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg
DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other : 25 - Protected from sources of heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

TDG

UN-No. (TDG) : UN1950

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| | |
|---|---|
| TDG Special Provisions | : 80 - Despite section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment), 107 - (1) These Regulations, except for Parts 1 and 2, do not apply to the offering for transport, handling or transport of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL. (2) Subsection (1) does not apply to self-defence spray. |
| Explosive Limit and Limited Quantity Index | : 1 L |
| Excepted quantities (TDG) | : E0 |
| Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index | : 75 L |
| Emergency Response Guide (ERG) Number | : 126 |

IMDG

| | |
|-----------------------------|---|
| Special provision (IMDG) | : 63, 190, 277, 327, 344, 381, 959 |
| Limited quantities (IMDG) | : SP277 |
| Excepted quantities (IMDG) | : E0 |
| Packing instructions (IMDG) | : P207, LP200 |
| Packing provisions (IMDG) | : PP87, L2 |
| EmS-No. (Fire) | : F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES |
| EmS-No. (Spillage) | : S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE) |
| Stowage category (IMDG) | : None |
| Stowage and handling (IMDG) | : SW1, SW22 |
| Segregation (IMDG) | : SG69 |

IATA

| | |
|--|-------------------------|
| Special provision (IATA) | : A98, A145, A167, A802 |
| PCA Excepted quantities (IATA) | : E0 |
| PCA Limited quantities (IATA) | : Y203 |
| PCA limited quantity max net quantity (IATA) | : 30kgG |
| PCA packing instructions (IATA) | : 203 |
| PCA max net quantity (IATA) | : 75kg |
| CAO packing instructions (IATA) | : 203 |
| CAO max net quantity (IATA) | : 150kg |
| ERG code (IATA) | : 2L |

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

| | | |
|---|--------------------|--------------------|
| Dodecenylsuccinic acid reaction product | CAS-No. 29658-97-7 | 1.30464 – 1.73952% |
|---|--------------------|--------------------|

15.2. International regulations

CANADA

distillates, hydrotreated light (64742-47-8)

Listed on the Canadian DSL (Domestic Substances List)

Dodecenylsuccinic acid reaction product (29658-97-7)

Listed on the Canadian DSL (Domestic Substances List)

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EU-Regulations

distillates, hydrotreated light (64742-47-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Dodecenylsuccinic acid reaction product (29658-97-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

distillates, hydrotreated light (64742-47-8)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on KECI (Korean Existing Chemicals Inventory)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Dodecenylsuccinic acid reaction product (29658-97-7)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
This product is listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements
Japanese Existing and New Chemical Substances (CSCL)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

| Component | State or local regulations |
|--|---|
| paraffin oils (petroleum), catalytic dewaxed light(64742-71-8) | U.S. - Massachusetts - Right To Know List |
| Distillates (petroleum), hydrotreated light naphthenic(64742-53-6) | U.S. - Massachusetts - Right To Know List |
| terpinolene(586-62-9) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List |
| carbon dioxide, liquefied, under pressure(124-38-9) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List |

SECTION 16 Other information

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Revision date : 4/2/2025

Issue date : 1/4/2021

Full text of hazard classes and H-statements

| | |
|------|--|
| H226 | Flammable liquid and vapor |
| H227 | Combustible liquid |
| H280 | Contains gas under pressure; may explode if heated |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |

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| Full text of hazard classes and H-statements | |
|--|-------------------------------|
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |

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.