



503 Premium Gasoline Improver

SDS Revision Date: 10/26/2021

## 1. Identification

### Product identifier

|                               |                               |
|-------------------------------|-------------------------------|
| Product Identity              | 503 Premium Gasoline Improver |
| Other means of identification | 503                           |

Relevant identified uses of the substance or mixture and uses advised against

See Technical Data Sheet.

Details of the supplier of the safety data sheet

Company Name: Southwestern Petroleum Lubricants LLC  
3401 Quorum Drive Suite 360  
Fort Worth, Texas 76137

Customer Service: 800-433-5735

1.4. Emergency telephone number: 734-930-0009

Emergency: numbers call Chemtrec 24/7 USA and  
Canada 1-800-424-9300 or 1-703-527-3887

## 2. Hazard(s) identification

Classification of the substance or mixture

Flam. Liq. 4;H227

Combustible Liquid.

Carc. 1B;H350

May cause cancer.

Asp. Tox. 1;H304

May be fatal if swallowed and enters airways.

Label elements



Danger

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

H350 May cause cancer.

**[Prevention]:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, sparks, open flames, and other ignition sources - No smoking.

P235 Keep cool.

P280 Wear protective gloves, eye protection, face protection.

**[Response]:**

P301 IF SWALLOWED:

P308+313 IF exposed or concerned: Get medical advice or attention.

P331 Do NOT induce vomiting.

**[Storage]:**

P403+235 Store in a well ventilated place. Keep cool.

P405 Store locked up.

**[Disposal]:**

P501 Dispose of contents or container in accordance with local and national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the Hazardous Products Regulations.

| <b>Ingredient/Chemical Designations</b>   | <b>Weight %</b> | <b>GHS Classification</b> | <b>Notes</b> |
|---|-----------------|---------------------------|--------------|
| Distillate (petroleum) hydrotreated heavy naphthenic<br>CAS Number: 0064742-52-5<br>Synonyms: Distillate (petroleum) hydrotreated heavy naphthenic, Distillates (petroleum), hydrotreated heavy naphthenic; baseoil-unspecified, Polymer binders and adhesive, Petroleum distillates, hydrotreated heavy naphthenic | 25 - 50         | Asp. Tox. 1;H304          | ----         |
| Distillates (petroleum), hydrotreated light<br>CAS Number: 0064742-47-8<br>Synonyms: Distillates (petroleum), hydrotreated light  | 30 - 60         | Asp. Tox. 1;H304          | ----         |

The actual concentration or concentration range is withheld as a trade secret.

\*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

## Description of first aid measures

|            |  |
|------------|--|
| General    | In all cases of doubt, or when symptoms persist, seek medical attention.<br>Never give anything by mouth to an unconscious person.   |
| Inhalation | Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth. |
| Eyes       | Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.   |
| Skin       | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.  |
| Ingestion  | If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.  |

## Most important symptoms and effects, both acute and delayed

|            |  |
|------------|--|
| Overview   | <p>Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.</p> <p>Treat symptomatically. Exposure to solvent vapour concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.</p> <p>Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.</p> |
| Inhalation | May be fatal if swallowed and enters airways.  |

## Section 5. Fire-fighting measures

### Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.  
Unsuitable extinguishing media: Do not use; water jet.

Special hazards arising from the substance or mixture

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

Keep away from heat, sparks, open flames, and other ignition sources - No smoking.

Keep cool.

Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

## Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Environmental precautions

Do not allow spills to enter drains or waterways.

Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapours. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

## Section 7. Handling and storage

### Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Store in accordance with the National Fire Protection Association's publication NFPA 30, Flammable and Combustible Liquids Code. 29 CFR 1910.106 applies to the handling, storage, and use of flammable and combustible liquids.

See section 2 for further details. - [Prevention]:

### Conditions for safe storage, including any incompatibilities

Store in a cool dry area, away from heat, sparks and open flame.

Keep containers sealed when not in use.

Store out of direct sunlight.

Incompatible materials: Strong oxidizing agents and acids.

See section 2 for further details. - [Storage]:

### Specific end use(s)

No available information

## Section 8. Exposure controls / personal protection

### Control parameters

#### Exposure

| CAS No.      | Ingredient                                  | Source           | Value   |
|--------------|---|------------------|---|
| 0064742-47-8 | Distillates (petroleum), hydrotreated light | ACGIH            | No Established Limit  |
|              |   | Alberta          | No Established Limit  |
|              |   | British Columbia | 200 mg/m3 TWA (application restricted to conditions in which there are negligible aerosol expos |
|              |   | Manitoba         | No Established Limit  |
|              |   | New Brunswick    | No Established Limit  |

|              |  |                           |                      |
|--------------|--|---------------------------|----------------------|
|              |  | Newfoundland and Labrador | No Established Limit |
|              |  | Nova Scotia               | No Established Limit |
|              |  | Northwest Territories     | No Established Limit |
|              |  | Nunavut                   | No Established Limit |
|              |  | Ontario                   | No Established Limit |
|              |  | Prince Edward Island      | No Established Limit |
|              |  | Quebec                    | No Established Limit |
|              |  | Saskatchewan              | No Established Limit |
|              |  | Yukon                     | No Established Limit |
| 0064742-52-5 | Distillate (petroleum) hydrotreated heavy naphthenic | ACGIH                     | No Established Limit |
|              |  | Alberta                   | No Established Limit |
|              |  | British Columbia          | No Established Limit |
|              |  | Manitoba                  | No Established Limit |
|              |  | New Brunswick             | No Established Limit |
|              |  | Newfoundland and Labrador | No Established Limit |
|              |  | Nova Scotia               | No Established Limit |
|              |  | Northwest Territories     | No Established Limit |
|              |  | Nunavut                   | No Established Limit |
|              |  | Ontario                   | No Established Limit |

|  |  |                      |                      |
|--|--|----------------------|----------------------|
|  |  | Prince Edward Island | No Established Limit |
|  |  | Quebec               | No Established Limit |
|  |  | Saskatchewan         | No Established Limit |
|  |  | Yukon                | No Established Limit |

Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup> OSHA PEL and 10 mg/m<sup>3</sup> ACGIH.

#### Exposure controls

|                      |  |
|----------------------|--|
| Respiratory          | If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.  |
| Eyes                 | Protective safety glasses recommended  |
| Skin                 | Avoid skin contact. Protective gloves recommended.   |
| Engineering Controls | Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapour below occupational exposure limits suitable respiratory protection must be worn. |
| Other Work Practices | Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.  |

See section 2 for further details.

#### Section 9. Physical and chemical properties

|                                |                              |
|--------------------------------|------------------------------|
| Appearance                     | Oily Amber Liquid            |
| Odour                          | Characteristic of Petroleum. |
| Odour threshold                | No available information     |
| pH                             | 7.6                          |
| Melting point / freezing point | No available information     |



|   |   |
|---|---|
| Initial boiling point and boiling range         | 83  |
| Flash Point                                     | °F °C, Test method: (Close cup)   |
| Evaporation rate (Ether = 1)                    | No Available information  |
| Flammability (solid, gas)                       | No available information  |
| Upper/lower flammability or explosive limits    | <b>Lower Explosive Limit: 1.0</b><br><b>Upper Explosive Limit: 10.0</b> |
| Vapour pressure (Pa)                            | No available information  |
| Vapour Density                                  | >3  |
| Relative Density                                | 0.84  |
| Solubility in Water                             | Not miscible in water.  |
| Partition coefficient n-octanol/water (Log Kow) | No available information  |
| Auto-ignition temperature                       | 360   |
| Decomposition temperature                       | No available information  |
| Viscosity (cSt)                                 | 4.3 cSt @40C  |
| VOC Content                                     | 16  |
| Other information                               |   |
| No other relevant information.                  |   |

#### Section 10. Stability and reactivity

##### Reactivity

Hazardous Polymerization will not occur.

##### Chemical stability

Stable under normal circumstances.

Possibility of hazardous reactions

No available information

Conditions to avoid

Excessive heat and open flame.

Incompatible materials

Strong oxidizing agents and acids.

Hazardous decomposition products

High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

### Section 11. Toxicological information

#### Acute toxicity

Exposure to solvent vapour concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| <b>Ingredient</b>   | <b>Oral LD50,<br/>mg/kg</b>             | <b>Skin LD50,<br/>mg/kg</b> | <b>Inhalation<br/>vapour LC50,<br/>mg/L/4hr</b> | <b>Inhalation<br/>Dust/Mist LC50,<br/>mg/L/4hr</b> | <b>Inhalation<br/>Gas LC50,<br/>ppm</b> |
|---|---|-----------------------------|---|--|---|
| Distillate (petroleum) hydrotreated heavy naphthenic - (64742-52-5) | > 5,000.00,<br>Rat -<br>Category:<br>NA | No data<br>available        | No data<br>available                            | 5.70, Rat -<br>Category: NA                        | No data<br>available                    |

|  |                                |                                 |                   |                   |                   |
|--|--------------------------------|---------------------------------|-------------------|-------------------|-------------------|
| Distillates (petroleum), hydrotreated light - (64742-47-8) | > 5,000.00, Rat - Category: NA | >2,000.00, Rabbit - Category: 5 | No data available | No data available | No data available |
|--|--------------------------------|---------------------------------|-------------------|-------------------|-------------------|

Carcinogen Data

| CAS No.      | Ingredient   | Source | Value  |
|--------------|--|--------|--|
| 0064742-47-8 | Distillates (petroleum), hydrotreated light          | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
|              |  | ACGIH  | No Established Limit   |
| 0064742-52-5 | Distillate (petroleum) hydrotreated heavy naphthenic | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
|              |  | ACGIH  | No Established Limit   |

| Classification                | Category | Hazard Description                            |
|-------------------------------|----------|---|
| Acute toxicity (oral)         | ---      | Not Applicable                                |
| Acute toxicity (dermal)       | ---      | Not Applicable                                |
| Acute toxicity (inhalation)   | ---      | Not Applicable                                |
| Skin corrosion/irritation     | ---      | Not Applicable                                |
| Serious eye damage/irritation | ---      | Not Applicable                                |
| Respiratory sensitization     | ---      | Not Applicable                                |
| Skin sensitization            | ---      | Not Applicable                                |
| Germ cell mutagenicity        | ---      | Not Applicable                                |
| Carcinogenicity               | 1B       | May cause cancer.                             |
| Reproductive toxicity         | ---      | Not Applicable                                |
| STOT-single exposure          | ---      | Not Applicable                                |
| STOT-repeated exposure        | ---      | Not Applicable                                |
| Aspiration hazard             | 1        | May be fatal if swallowed and enters airways. |

Possible routes of entry:

**Symptoms and effects, both acute and delayed::**

Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

Treat symptomatically.

Inhalation                      May be fatal if swallowed and enters airways.

|                                    |
|------------------------------------|
| Section 12. Ecological information |
|------------------------------------|

Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

| Ingredient  | 96 hr LC50 fish, mg/l         | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l                             |
|---|-------------------------------|----------------------------|---|
| Distillate (petroleum) hydrotreated heavy naphthenic - (64742-52-5) | 5,000.00, Oncorhynchus mykiss | 1,000.00, Daphnia magna    | 1,000.00 (96 hr), Scenedesmus subspicatus     |
| Distillates (petroleum), hydrotreated light - (64742-47-8)          | 20.00, Oncorhynchus mykiss    | 1.40, Daphnia magna        | 8.30 (72 hr), Pseudokirchneriella subcapitata |

Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

No available information

Mobility in soil

No available information

Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

Other adverse effects

No available information

### Section 13. Disposal considerations

Waste treatment methods

Observe all federal, provincial and local regulations when disposing of this substance.

### Section 14. Transport information

Classification Method: Classified as per Part 2, Sections 2.1 ? 2.8 of the Transportation of Dangerous Goods Regulations.

|                            | TDG (Domestic Surface Transportation)   | IMO / IMDG (Ocean Transportation)                               | ICAO/IATA                        |
|----------------------------|---|---|----------------------------------|
| UN number                  | Not Regulated                           | Not Regulated   | Not Regulated                    |
| UN proper shipping name    | Not Regulated                           | Not Regulated   | Not Regulated                    |
| Transport hazard class(es) | <b>TDG Hazard Class:</b> Not Applicable | <b>IMDG:</b> Not Applicable<br><b>Sub Class:</b> Not Applicable | <b>Air Class:</b> Not Applicable |
| Packing group              | Not Applicable                          | Not Applicable  | Not Applicable                   |

Environmental hazards

IMDG Marine Pollutant: No;

Special precautions for user

No available information

## Section 15. Regulatory information

This product has been classified in accordance with the hazard criteria Hazardous Products Regulations (SOR/2015-17) and the SDS contains all of the information required by those regulations.

### **Canadian Domestic Substance List (DSL):**

Distillate (petroleum) hydrotreated heavy naphthenic

Distillates (petroleum), hydrotreated light

### **Canadian Non-Domestic Substance List (NDSL):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

## Section 16. Other information

SDS Revision Date            10/26/2021

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H304 May be fatal if swallowed and enters airways.

End of Document