

Safety Data Sheet

Classified in accordance 29 CFR 1910.1200

1. Product Identification

Product Information: 1000040185

Product Identifier: SP0386 CONCENTRATED TOTAL FUEL SYSTEM & INJECTION SYSTEM CLEANER

Recommended Use: Cleaner

Manufacturer/Importer/Distributor Information: PLZ CORP
2651 WARRENVILLE RD, STE 300
DOWNERS GROVE, IL 60515
US
800-332-9000

Emergency Telephone: 866-836-8855

2. Hazard(s) identification

Classification

Flammable Liquid, category 3
Aspiration Hazard, category 1
Skin Irritation, category 2
Serious Eye Damage, category 1
Acute Toxicity, Inhalation, category 4
STOT, single exposure, category 3, NE
Carcinogenicity, category 2
STOT, repeated exposure, category 2

Label elements

HAZARD PICTOGRAMS



SIGNAL WORD

Danger

GHS HAZARD STATEMENTS

| | |
|------|--|
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H332 | Harmful if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

GHS PRECAUTIONARY STATEMENTS**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, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P240 | Ground and bond container and receiving equipment. |
| P241 | Use explosion-proof equipment. |
| P242 | Use non-sparking tools. |
| P243 | Take action to prevent static discharges. |
| P260 | Do not breathe fumes, mists, vapours or spray. |
| P264+P265 | Wash hands thoroughly after handling. Do not touch eyes. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves, eye protection, face protection, and protective clothing |

Response

| | |
|----------------|--|
| P301+P316 | IF SWALLOWED: Get emergency medical help immediately. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower]. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+P354+P338 | IF IN EYES: Immediately rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P318 | IF exposed or concerned, get medical help. |
| P319 | Get medical help if you feel unwell. |
| P331 | Do NOT induce vomiting. |
| P332+P317 | If skin irritation occurs: Get medical help. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P370+P378 | In case of fire: Use carbon dioxide, dry chemical, or foam to extinguish. |

Storage

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|-----------|--|
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |

Disposal

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|------|--|
| P501 | Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. |
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Other Information

None

| |
|--|
| 3. Composition/Information on Ingredients |
|--|

Mixtures

| <u>Chemical Identity</u> | <u>CAS Number</u> | <u>Content in Percent (%)</u> * |
|--|-------------------|---------------------------------|
| Fuels, Diesel, No 2 | 68476-34-6 | 50-75 |
| Isopropyl Alcohol | 67-63-0 | 10-25 |
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | 2.5-10 |
| Monoalkylaryl alkoxylate aminated | | 2.5-10 |
| 1,2,4-trimethylbenzene | 95-63-6 | 1.0-2.5 |
| 1,3,5-trimethylbenzene | 108-67-8 | 0.1-1.0 |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: Other components are not hazardous or are below required disclosure limits.
The exact concentration has been withheld as a trade secret.

4. First-aid Measures

SKIN CONTACT: Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention. Take off immediately all contaminated clothing.

EYE CONTACT: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.

INHALATION: Move to fresh air.

INGESTION: Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. Do not induce vomiting without advice from poison control center.

IMPORTANT SYMPTOMS: No data available

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Symptoms may be delayed.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No data available

SPECIAL FIREFIGHTING PROCEDURES: No data available

6. Accidental Release Measures

PERSONAL PRECAUTIONS : Ventilate closed spaces before entering them. **ELIMINATE** all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dike far ahead of larger spill for later recovery and disposal. In case of leakage, eliminate all ignition sources.

ENVIRONMENTAL PRECAUTIONS: Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

7. Handling and Storage

HANDLING: No data available

SAFE HANDLING ADVICE: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Observe good industrial hygiene practices. No smoking. Ground and bond container and receiving equipment. Take precautionary measures against static discharges.

STORAGE: No data available

NFPA 30B: No data available

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u> | <u>TLV-TWA</u> | <u>TLV-STEL</u> | <u>PEL-TWA</u> | <u>PEL-CEILING</u> |
|--|----------------|-----------------|----------------|--------------------|
| Fuels, Diesel, No 2 | 100 mg/m3 | N.E. | N.E. | N.E. |
| Isopropyl Alcohol | 200 ppm | 400 ppm | 400 ppm | N.E. |
| Solvent naphtha (petroleum), light arom. | N.E. | N.E. | N.E. | N.E. |
| Monoalkylaryl alkoxyate aminated | N.E. | N.E. | N.E. | N.E. |
| 1,2,4-trimethylbenzene | 25 ppm | N.E. | N.E. | N.E. |

1,3,5-trimethylbenzene

25 ppm

N.E.

N.E.

N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

ENGINEERING CONTROLS: No data available

Personal Protection

EYE/FACE PROTECTION: Wear goggles/face shield.

SKIN PROTECTION: No data available

RESPIRATORY PROTECTION: Seek advice from local supervisor. In case of inadequate ventilation use suitable respirator.

HYGIENIC PRACTICES: When using do not smoke. Observe good industrial hygiene practices.

9. Physical and Chemical Properties

Appearance:

| | |
|---|---------------------|
| Physical State: | Liquid |
| Form: | Clear |
| Color: | White |
| Odor: | Solvent |
| Odor Threshold: | No data available |
| pH: | No data available |
| Freeze Point, °C: | No data available |
| Boiling Point, °C: | 82 |
| Flash Point, °C: | 24 |
| Flammability (solid, gas): | No data available |
| Evaporation Rate: | No data available |
| Combustibility: | Supports Combustion |
| Explosive Limits, %: | No data available |
| Vapor Pressure @20°C, PSI: | No data available |
| Vapor Density: | No data available |
| Relative Density: | 0.814 |
| Solubility in Water: | No data available |
| Partition Coefficient, n-octanol/water: | No data available |
| Auto-Ignition Temperature, °C: | No data available |
| Decomposition temperature, °C: | No data available |
| Kinematic Viscosity: | No data available |

10. Stability and Reactivity

REACTIVITY: No data available

STABILITY: Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available

CONDITIONS TO AVOID: Heat, sparks, flames.

INCOMPATIBILITY: No data available

HAZARDOUS DECOMPOSITION PRODUCTS: No data available

11. Toxicological Information

Information on Likely Routes of Exposure

IMPORTANT SYMPTOMS: No data available

SKIN CONTACT EFFECTS: May cause irritation on prolonged or repeated contact.

EYE CONTACT EFFECTS: May cause slight irritation with tearing.

INHALATION EFFECTS: Inhalation of high concentrations of mists may cause irritation of the nose throat and upper respiratory tract.

INGESTION EFFECTS: Ingestion may cause irritation of the mucous membranes, esophagus and stomach.

CHRONIC HAZARDS: No data available

Carcinogenicity: 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, ACGIH, NTP or OSHA.

The following values are calculated based on chapter 3.1 of the GHS document. The product itself has not been tested.

| | |
|-----------------------|-------------|
| <u>ATE ORAL</u> | 5,215 mg/kg |
| <u>ATE DERMAL</u> | 2,755 mg/kg |
| <u>ATE INHALATION</u> | 18 mg/kg |

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|--|------------------|--------------------|-------------------|
| 68476-34-6 | Fuels, Diesel, No 2 | 5,000 mg/kg | 2,000 mg/kg | 11 mg/l |
| 67-63-0 | Isopropyl Alcohol | 5,000 mg/kg | 5,000 mg/kg | 10000 mg/l |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. | 5,000 mg/kg | 6,000 mg/kg | 100 mg/l |
| | Monoalkylaryl alkoxylate aminated | 5000 mg/kg | 5000 mg/kg | 100 mg/l |
| 95-63-6 | 1,2,4-trimethylbenzene | 6,000 mg/kg | 3,440 mg/kg | 18 mg/L Rat |
| 108-67-8 | 1,3,5-trimethylbenzene | 6,000 mg/kg | 5,000 mg/kg | 100 mg/l |

N.I. = No Information

Skin Corrosion & Irritation:

| | |
|-----------------------------------|------------------------------------|
| Product: | No data available |
| Components: | |
| Fuels, Diesel, No 2 | 68476-34-6 Causes skin irritation. |
| Monoalkylaryl alkoxylate aminated | Causes skin irritation. |
| 1,2,4-trimethylbenzene | 95-63-6 Causes skin irritation. |

Serious Eye Damage & Irritation:

| | |
|-----------------------------------|----------------------------|
| Product: | No data available |
| Components: | |
| Monoalkylaryl alkoxylate aminated | Causes serious eye damage. |

Respiratory or Skin Sensitization:

| | |
|-----------------|-------------------|
| Product: | No data available |
|-----------------|-------------------|

STOT-Single Exposure:

| | | |
|--------------------|---------|------------------------------------|
| Product: | | No data available |
| Components: | | |
| Isopropyl Alcohol | 67-63-0 | May cause drowsiness or dizziness. |

STOT-Repeated Exposure:

| | | |
|---------------------|------------|--|
| Product: | | No data available |
| Components: | | |
| Fuels, Diesel, No 2 | 68476-34-6 | May cause damage to organs through prolonged or repeated exposure. |

Aspiration Hazard:

| | | |
|--|------------|---|
| Product: | | No data available |
| Components: | | |
| Fuels, Diesel, No 2 | 68476-34-6 | May be fatal if swallowed and enters airways. |
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | May be fatal if swallowed and enters airways. |

Carcinogenicity:

| | | |
|---------------------|------------|-----------------------------|
| Product: | | No data available |
| Components: | | |
| Fuels, Diesel, No 2 | 68476-34-6 | Suspected of causing cancer |

Reproductive Toxicity:

| | | |
|-----------------|--|-------------------|
| Product: | | No data available |
|-----------------|--|-------------------|

Germ Cell Mutagenicity:

| | | |
|-----------------|--|-------------------|
| Product: | | No data available |
|-----------------|--|-------------------|

12. Ecological Information

ECOLOGICAL INFORMATION: No data available

PERSISTENCE: No data available

BIOACCUMULATE: No data available

MOBILITY IN SOIL: No data available

OTHER ECOLOGICAL: No data available

13. Disposal Information

DISPOSAL INFORMATION: Consult with your local, regional and federal agencies for information on proper disposal.

CONTAMINATED PACKAGING : Consult with your local, regional and federal agencies for information on proper disposal.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No data available

DOT

| | |
|------------------------------|---|
| UN Number: | UN1993 |
| Proper Shipping Name: | Flammable liquids, n.o.s. (ISOPROPYL ALCOHOL, MESITYLENE) |
| Technical Name: | ISOPROPYL ALCOHOL, MESITYLENE |
| Hazard Class(es) | |
| Class: | 3 |
| Subsidiary Risk | N/A |
| Packing Group: | III |

IATA

UN Number: UN1993
Proper Shipping Name: Flammable liquids, n.o.s. (ISOPROPYL ALCOHOL, MESITYLENE)
Technical Name: ISOPROPYL ALCOHOL, MESITYLENE
Hazard Class(es)
Class: 3
Subsidiary Risk: N/A
Packing Group: III

IMDG

UN Number: UN1993
Proper Shipping Name: Flammable liquids, n.o.s. (ISOPROPYL ALCOHOL, MESITYLENE) (24 celsius degrees c.c.)
Technical Name: ISOPROPYL ALCOHOL, MESITYLENE
Hazard Class(es)
Class: 3
Subsidiary Risk: N/A
Packing Group: III

The classification shown in this section may be eligible for use of an exception, such as 'Limited Quantity', per the dangerous goods regulations. The shipper of this product should consult the applicable mode's regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper's discretion.

15. Regulatory Information

CHEMICAL INVENTORY STATUS:

TSCA On or in compliance with the inventory
DSL All ingredients in this product are listed on the DSL or are exempt.

CALIFORNIA PROPOSITION 65 CARCINOGENS AND REPRODUCTIVE TOXINS:**WARNING**

Warning: This product may contain ingredients known to the state of California to cause Cancer or Reproductive Harm.

Chemical Name**CAS-No.**

| | |
|-----------------|----------|
| Benzene | 71-43-2 |
| Naphthalene | 91-20-3 |
| Cumene | 98-82-8 |
| Propylene Oxide | 75-56-9 |
| Furan | 110-00-9 |
| Acetaldehyde | 75-07-0 |

16. Other Information

Revision Date: 9/19/2022
Datasheet produced by: Regulatory Department
Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

Legend

N/A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

TLV - Threshold Limit Values (TLVs®), as established by the American Conference of Governmental Industrial Hygienists (ACGIH®)

PEL - Permissible Exposure Limit, as established by the U.S. Occupational Safety and Health Administration (OSHA), as amended

TSCA - U.S. Toxic Substance Control Act

DSL - Canada Environmental Protection Act: Domestic Substance List

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