

Safety Data Sheet

Classified in accordance 29 CFR 1910.1200

1. Product Identification

Product Information: 1000040187

Product Identifier: SP2112 Fuel Injector Cleaner

Recommended Use: Fuel Additive

Manufacturer/Importer/Distributor Information: PLZ Aeroscience Corporation
1000 Ingram Dr
Pacific, MO 63069-3450
US
1-630-543-7600

Emergency Telephone: 1-866-836-8855

2. Hazard(s) identification

2.1 Classification

Flammable Liquid, category 1
Aspiration Hazard, category 1
Skin Irritation, category 2
Eye Irritation, category 2A
Acute Toxicity, Inhalation, category 4
Carcinogenicity, category 2
STOT, repeated exposure, category 2

2.2 Label elements

HAZARD PICTOGRAMS



SIGNAL WORD

Danger

GHS HAZARD STATEMENTS

H224	Extremely flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
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 [electrical/ventilating/lighting/...] equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P260	Do not breathe dust/fume/gas/mist/vapours/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/protective clothing/eye protection/face protection/hearing protection/...
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+P351+P338	IF IN EYES: 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.
P321	Specific treatment (see ... on this label).
P331	Do NOT induce vomiting.
P332+P317	If skin irritation occurs: Get medical help.
P337+P317	If eye irritation persists: Get medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use... to extinguish.
Storage	
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
Disposal	
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.

2.3 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	75-100
Isopropyl Alcohol	67-63-0	10-25
Solvent naphtha (petroleum), light arom.	64742-95-6	0.1-1.0
Solvent Naphtha (petroleum), Heavy Aromatic	64742-94-5	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

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.

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

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.

PERSONAL PROTECTION FOR FIRST-AID RESPONDERS: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

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.

SPECIAL FIREFIGHTING PROCEDURES: No data available

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

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.
Solvent Naphtha (petroleum), Heavy Aromatic	200 mg/m3	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

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.

ENGINEERING CONTROLS: No data available

9. Physical and Chemical Properties

Appearance:

Physical State:	Liquid
Form:	Clear Liquid
Color:	White/very light amber
Odor:	Solvent
Odor Threshold:	No data available
pH:	No data available
Freeze Point, °C:	No data available
Boiling Point, °C:	20
Flash Point, °C:	12
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:	0.806
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

EYE CONTACT EFFECTS: No data available

SKIN CONTACT EFFECTS: No data available

INHALATION EFFECTS: No data available

INGESTION EFFECTS: No data available

CHRONIC HAZARDS: No data available

PRIMARY ROUTE(S) OF ENTRY: No data available

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>	5,128.994 mg/kg
<u>ATE DERMAL</u>	2,200.583155 mg/kg
<u>ATE INHALATION</u>	13 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
64742-94-5	Solvent Naphtha (petroleum), Heavy Aromatic	5,000 mg/kg	2,000 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.

Serious Eye Damage & Irritation:

Product:	No data available
Components:	
Isopropyl Alcohol	67-63-0 Causes serious eye irritation.

Respiratory or Skin Sensitization:

Product:	No data available
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STOT-Single Exposure:

Product:	No data available
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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:	
Solvent Naphtha (petroleum), Heavy Aromatic	64742-94-5 May be fatal if swallowed and enters airways.
Solvent naphtha (petroleum), light arom.	64742-95-6 May be fatal if swallowed and enters airways.
Fuels, Diesel, No 2	68476-34-6 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
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Germ Cell Mutagenicity:

Product:	No data available
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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.(Diesel Fuel, Isopropyl Alcohol)
Technical Name:	N/A
Hazard Class(es)	
Class:	3
Subsidiary Risk	N/A
Packing Group:	I

IATA

UN Number:	UN1993
Proper Shipping Name:	Flammable liquids, n.o.s. (Diesel Fuel, Isopropyl Alcohol)
Technical Name:	N/A
Hazard Class(es)	
Class:	3
Subsidiary Risk:	N/A
Packing Group:	I

IMDG

UN Number:	UN1993
Proper Shipping Name:	Flammable liquids, n.o.s. (Diesel Fuel, Isopropyl Alcohol)
Technical Name:	N/A
Hazard Class(es)	
Class:	3
Subsidiary Risk:	N/A
Packing Group:	I

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	On or in compliance with the inventory

CALIFORNIA PROPOSITION 65 CARCINOGENS AND REPRODUCTIVE TOXINS:



WARNING

Warning: The following ingredients present in the product are known to the state of California to cause Cancer.

<u>Chemical Name</u>	<u>CAS-No.</u>
Cumene	98-82-8
Naphthalene	91-20-3
Benzene	71-43-2
Propylene Oxide	75-56-9
Furan	110-00-9
Acetaldehyde	75-07-0

16. Other Information

Revision Date: 4/15/2022
Datasheet produced by: Regulatory Department

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

No Information

