

SAFETY DATA SHEET

(REVISED 6/14/2016 REV 1)

SECTION 1: IDENTIFICATION

GHS product identifier: PRSI-350 Lubricant (food grade)

Use of substance/mixture: Silicone Fluid, Polydimethylsiloxane dispersed in isoparffinic solvent.

Supplier's details: Prairie Technology Group Inc
602 E. Front Street
Hutto, TX 78634
Phone: 512-846-2444 Fax: 512-846-2400

Emergency phone number: CHEM-TEL 800-255-3924

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of the substance

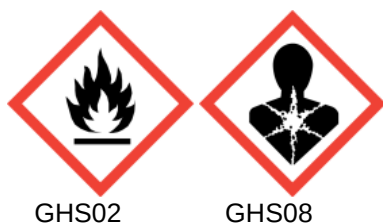
GHS-US classification

Flam. Liq. 3	H226
Asp. Tox. 1	H304
Eye Irrit. 2B	H320

Label elements

GHS-US labeling

Hazard pictograms



Signal Word

Danger

Hazard-determining components of labeling: Petroleum Solvents – Naphtha (petroleum)

Hazard Statements

H226 - Flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H320 - Causes eye irritation

Precautionary Statements

P210 - Keep away from heat/sparks/open flames/hot surfaces – No smoking
P241 - Use explosion-proof electrical equipment
P280 - Wear eye protection, protective clothing, protective gloves
P240 - Ground/bond container and receiving equipment
P233 - Keep container tightly closed
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge
P302 - IF ON SKIN: Wash skin with mild soap and water.
P303+P361+P353 - IF ON SKIN (OR HAIR): Remove/take off immediately all contaminated clothing.
Rinse skin with water/shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 + P330 + P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P337+P313 - If eye irritation persists: Get medical advice/attention
P370 - In case of fire: Use for extinction: CO2, powder or water spray.
P405: Store locked up.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container to an approved waste disposal plant, in accordance with applicable local, state, national laws.

Unknown acute toxicity

10% of the mixture consists of components(s) of unknown toxicity.

Other hazards

None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Hazardous ingredients:

Name of substance	Product identifier	%	GHS-US classification
Petroleum Solvents-Naphtha (petroleum)	CAS: 64742-48-9	89 - 97	Flam. Liq. 4, H227 Asp. Tox. 1, H304
Polydimethylsiloxane	RTECS:JT6485000	3 - 11	Eye Irrit. 2B, H320

SECTION 4: FIRST-AID MEASURES

Description of first aid measures

Inhalation: In case of unconsciousness place patient stably in side position for transportation.

Skin: Immediately wash with plenty of soap and water and rinse thoroughly. If skin irritation occurs, consult a doctor.

Eyes: Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

Ingestion: If swallowed and symptoms occur, consult a doctor.

Most important symptoms and effects, both acute and delayed:

No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.

Unsuitable extinguishing media: Water with full jet stream.

Special hazards arising from the substance or mixture:

Combustible liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above flashpoint.

Advice for firefighters:

Protective equipment: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

Environmental Precautions:

Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents. Dispose of the collected material according to regulations.

Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Information about protection against explosions and fires: Keep ignition sources away, DO NOT SMOKE. Protect from heat. Protect against electrostatic charges.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Storage conditions: Store in the original receptacle. Protect from heat and direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Components with occupational exposure limits: This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure Controls

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing and wash before reuse. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Breathing equipment: Not required.

Protection of hands:



The glove has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Select glove material based on penetration times, rates of diffusion and degradation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

Eye Protection:



Tightly sealed goggles.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information of basic physical and chemical properties

Physical state:	Liquid
Color:	Colorless
Odor:	Characteristic
Odor threshold:	Not determined
pH-value:	Acidic
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	351°F (177°C)
Flash Point:	127°F (53°C) (Closed Cup)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	
Decomposition temperature:	Not determined.
Auto igniting:	Product is not self-igniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Explosion limits:	
Lower:	0.6 Vol %
Upper:	7.0 Vol %
Vapor pressure:	1 hPa (1 mm Hg)
Density @ 20°C (68°F):	0.806 g/cm ³ (6.726 lbs/gal)
Relative density:	Not determined.
Vapor density:	Not determined.
Evaporation rate:	Not determined.
Solubility in / Miscibility with:	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	0.0%
Other information:	No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No further relevant information available.
Chemical stability: Stable under normal conditions.
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
Possibility of hazardous reactions: No dangerous reactions known.
Conditions to avoid: No further relevant information available.
Incompatible materials: No further relevant information available.
Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:

Naphtha (petroleum), hydro treated heavy (64742-48-9)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 3000 mg/kg

Primary irritant effect:

On the skin: Irritant to skin and mucous membranes.
On the eye: Irritating effect. Causes serious eye irritation.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

Carcinogenic categories:

IARC (International Agency for Research on Cancer):
None of the ingredients are listed.

NTP (National Toxicology Program):
None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration):
None of the ingredients are listed.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:

Aquatic toxicity: No further relevant information available.
Persistence and degradability: No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential: No further relevant information available.
Mobility in soil: No further relevant information available.

Additional ecological information:

General notes: Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

Results of PBT and vPvB assessment:

PBT: Not applicable
vPvB: Not applicable

Other adverse effects: No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods:

Recommendation: Recycle or dispose with household trash.

Uncleaned packagings: Handle empty containers with care because residual vapours are flammable.

Ecology – waste materials: Avoid release to the environment. RCRA hazardous waste. D001 (Ignitable). Incinerate waste in accordance with EPA and local regulations

SECTION 14: TRANSPORTATION INFORMATION

In accordance with DOT

UN-No.(DOT): UN1993

DOT NA no.: NA1993

DOT Proper Shipping Name: COMBUSTIBLE LIQUID, N.O.S. (Petroleum Solvents-Naphtha (petroleum)).

ADR: UN1993 Flammable liquids, n.o.s. (Petroleum Solvents-Naphtha (petroleum))

IMDG: FLAMMABLE LIQUID, N.O.S. (Petroleum Solvents-Naphtha (petroleum))

IATA: Flammable liquid, n.o.s. (Petroleum Solvents-Naphtha (petroleum))

Department of Transportation (DOT) Hazard Classes: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT): 3 – Combustible liquids



Packing group (DOT): III – Low Hazard

ADR



Transport document description: UN 1993, Flammable Liquids, PG III, class 3

IMDG, IATA



Transport document description: UN 1993, Flammable Liquids, PG III, class 3

Environmental hazards: Not applicable.

Special precautions for user: Warning: Flammable liquids

Danger code (Kemler): 30

EMS Number: F-E, S-E

Stowage Category: A

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

Transport/Additional Information:

DOT Quantity limitations:	On passenger aircraft/rail: 60L On cargo aircraft only: 220L
REMARKS:	Not regulated if less than 119 gallons
ADR Excepted quantities (EQ):	Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000ml
IMDG Limited quantities (LQ):	5L
Excepted quantities (EQ):	Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000ml
UN "Model Regulation":	UN1993 Flammable Liquids, N.O.S. (Petroleum Solvents - Naphtha (Petroleum)), 3, III

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

SARA (Superfund Amendments and Reauthorization):

Section 355 (extremely hazardous substances):	None of the ingredients are listed.
Section 313 (Specific toxic chemical listings):	None of the ingredients are listed.
TSCA (Toxic Substances Control Act):	All ingredients are listed.

California Proposition 65:

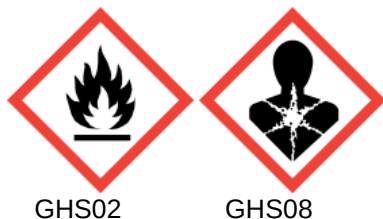
Chemicals known to cause cancer:	None of the ingredients are listed.
Chemicals known to cause reproductive toxicity for females:	None of the ingredients are listed.
Chemicals known to cause reproductive toxicity for males:	None of the ingredients are listed.
Chemicals known to cause developmental toxicity:	None of the ingredients are listed.

Carcinogenic categories:

EPA (Environmental Protection Agency):	None of the ingredients are listed.
TLV (Threshold Limit Value established by ACGIH):	None of the ingredients are listed.
NIOSH-Ca (National Institute for Occupational Safety and Health):	None of the ingredients are listed.

GHS label elements: This product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



Signal Word

Danger

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Hazard Statements:

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National regulations: The product is subject to be classified according with the latest version of the regulations on hazardous substances.

State Right to Know:

Name of substance	Product identifier	%	GHS-US classification
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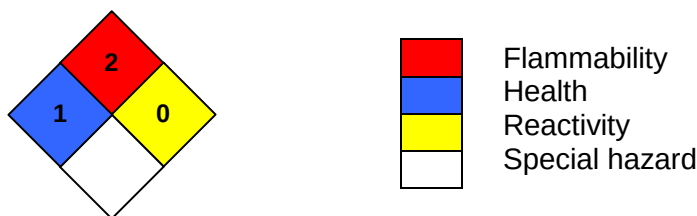
SECTION 16: OTHER INFORMATION

Hazards Material Information System (United States):

Health	1
Flammability	2
Physical Hazard	0
PERSONAL PROTECTION	

Hazard Codes: 0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Serious Hazard, 4=Severe Hazard

NFPA Hazard ID



Hazard Codes: 0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Serious Hazard, 4=Severe Hazard

Further Information: No data available

Users Responsibility/Disclaimer of Liability:

Disclaimer: The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Prairie Technology Group, Inc. assumes no responsibility for injury to vendee or third persons proximately cause by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.