

SAFETY DATA SHEET

1. Product and Company Identification

Product Name: GS 140 Grip Solvent
Product Code: GS140
Chemical Type: Solvent Blend
Product Use: Use as received or dilute with water. Shake well before use.

Manufacturer: Chemical Solvents Inc. **Revision Date:** 11/18/2019 **Address:** 3751
Jennings Rd. **Emergency:** Chemtrec (800)424-9300
Cleveland, Ohio 44109 **Phone:** (800) 362-0693

2. Hazards Identification

Classification of the substance or mixture : FLAMMABLE LIQUIDS - Category 4
ASPIRATION HAZARD - Category 1

Signal word : Danger

Hazard statements : Combustible liquid. May be fatal if swallowed and enters airways.



Hazard pictograms :

Precautionary statements

Prevention :

Wear protective gloves. Wear eye or face protection. Keep away from flames and hot surfaces. -
No smoking.

Response :

IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.

Storage : Store locked up. Store in a well-ventilated place. Keep cool.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

3. Composition / Information on Ingredients

Ingredients	CAS #	Percent
Hydrotreated Light Distillates	64742-47-8	70-80%
Water	7732-18-5	10-20%
Emulsifier	Proprietary	5-10%
Nonionic Surfactant	9016-45-9	1-6%

4. First Aid Measures

Eye Contact: Flush with warm water for 15 minutes. Seek medical attention.

Skin Contact: Wash with soap and water. Remove any contaminated clothing and launder before reusing. If irritation persists, seek medical attention.

Inhalation: Remove exposed individual to fresh air, protecting yourself. Restore breathing if necessary. Contact a physician.

Ingestion: Immediately give the person two large glasses of water. Do not induce vomiting. Get medical attention immediately. **DO NOT GIVE AN UNCONCIOUS OR CONVULSING PERSON ANYTHING BY MOUTH!**

5. Fire Fighting Measures

Flash Point: 145 F (TCC) lowest component

Extinguishing Media: Dry chemical, carbon dioxide, halon, or foam is recommended. Water spray may be used to cool containers or structures. Halon may decompose into toxic materials and carbon dioxide will displace oxygen, take proper precautions when using these materials.

Unusual Fire & Explosion Hazards: This material may be ignited by heat, sparks, flames or other ignition sources (static electricity). Vapors are heavier than air and will collect in low areas (sewers) or travel considerable distances. If containers are not cooled in a fire, they may rupture and ignite.

Special Fire Fighting Procedures: Emergency responders should wear self-contained breathing apparatus. Wear other protective gear as conditions warrant. Keep unauthorized people out and try to contain spills or leaks if it can be done safely. Material will float on water, avoid spreading the fire.

6. Accidental Release Measures

Spill or Leak Instructions

Contain spill with dikes of soil or nonflammable absorbent to minimize contaminated area. Avoid run-off into storm sewers and ditches leading to waterways. If required, notify state and local authorities. Place leaking containers in well-ventilated area. Clean up small spills by using a nonflammable absorbent or flushing sparingly with water. Contain larger spills with nonflammable diking or absorbent. Clean up by vacuuming or sweeping.

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Assess the spill situation, as the spill may not evolve large amounts of hazardous airborne contaminants in many outdoor spill situations. It may be advisable in some cases to simply monitor the situation until spilled product is removed.

7. Handling and Storage

Handling: FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN

Use in accordance with good work place practices. Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing. This product may generate a static charge. Ground/bond equipment when transferring material to prevent static accumulation. Electrical equipment and circuits in all storage and handling must conform to requirements of National Electric Code (Article 500 and 501) for hazardous location. Empty containers may contain residues from the product. Treat empty containers with the same precautions as the material last contained. Do not cut, weld or apply heat to empty containers.

Storage: Store in a cool, dry area, away from heat or direct sunlight. Keep containers closed when not in use. Do not store with incompatible materials

8. Exposure Controls / Personal Protection

Protective Equipment: Use synthetic gloves if necessary to prevent excessive skin contact. Do not wear contacts and always use ANSI approved safety glasses or splash shield.

Engineering Controls: General or dilution ventilation is frequently insufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Use a NIOSH approved respirator if ventilation is not adequate to maintain exposures below TLV levels.

Respiratory Protection:

Based on workplace contaminant level and working limits of the respirator, use a respirator approved by NIOSH. The following is the minimum recommended equipment for an occupational exposure level. For escape: Use self-contained breathing apparatus with full facepiece or any respirator specifically approved for escape.

Other Suggested Equipment: Eye wash station and emergency showers should be available. Spill containment equipment should be available.

Discretion Advised: Chemical Solvents Inc. takes no responsibility for determining what measures are required for personal protection in any specific application. The general information should be used with discretion.

Exposure guidelines: Components Exposure limit(s)

Hydrotreated Light Distillates	64742-47-8	70-80%	OSHA (TWA)- N/E ACGIH (TLV)- N/E Mfg suggests: 100 ppm
Water	7732-18-5	10-20%	Not Established
Emulsifier	Proprietary	5-10%	Not Established
Nonionic Surfactant	9016-45-9	1-5%	OSHA (TWA)- 5 mg/m ³ mist ACGIH (TLV)- 5 mg/m ³ mist

PEL= Permissible Exposure Limits
TLV= Threshold Limit Value
EL= Excursion Limit

TWA= Time Weighted Average (8 hr.)
STEL= Short Term Exposure Limit (15 min.)
WEEL= Workplace Environmental Exposure Level

9. Physical and Chemical Properties

Physical state Liquid. [Mobile liquid.]	Melting point Not available
Vapor pressure: Not available	Vapor density >1 (Air=1)
Odor; mild	pH: 9-11
Color Clear- slight haze	Evaporation rate <1 (butyl acetate = 1)
Odor threshold Not available.	Viscosity Not available
Flash point Closed cup: >142°F [Tagliabue.]	Boiling point : (212°F)
Flammability (solid, gas) : Not available.	Relative density: 0.83
Lower and upper explosive (flammable) limits : Not available	
Solubility: slightly soluble in cold water and hot water.	
Auto-ignition temperature Not Available	
Partition coefficient: noctanol/ water: Not available	Decomposition temperature : Not available.

10. Stability and Reactivity

Stability: Stable
Conditions to Avoid: Heat, spark, and open flame
Incompatibility: Strong Oxidizing Agents
Hazardous Decomposition: Combustion will produce Carbon Monoxide, Carbon Dioxide and nitrogen-oxygen compounds.
Hazardous Polymerization: Will not occur

11. Toxicological Information

Nonionic Surfactant

EFFECTS OF ACUTE EXPOSURE

Skin Contact little to no effect on brief contact
Skin Absorption little absorption on brief contact; *prolonged or repeated contact results in absorption*
Eye Contact severely irritating, causing redness & swelling – *may damage eyes*
Inhalation mist may irritate – causing nasal discharge, chest pain & coughing
Ingestion may cause stomach discomfort nausea, vomiting & diarrhoea

EFFECTS OF CHRONIC EXPOSURE

General prolonged or repeated exposure may cause dermatitis; *although no adverse systemic effects have been reported for humans following industrial exposure, prolonged feeding of 1000mg/kg/day of NP-9 did result in enlarged livers & reduced body weight*
Sensitising not a sensitiser
Carcinogenic not considered a tumorigen or a carcinogen in humans or animals
Reproductive Effect no known effect on humans, *~200mg/kg/day of similar product had no effect on rodents despite in vitro evidence of estrogen-mimic effects of nonylphenol ethoxylate fetotoxic when fed to rodents in maternally toxic doses*
Synergistic With not known
LD50 4000mg/kg (oral, rat)
LC50 not known

Hydrotreated Distillate, Light ..C9-16 64742-47-8

Chronic Data: Carcinogenicity: Prolonged and repeated skin exposure of mice to certain middle distillate streams has resulted in dermatitis, which has been associated with the promotion of skin tumors via a non-genotoxic mechanism. This material has not been identified as a carcinogen by NTP, IARC, or OSHA.

Acute Data:

Dermal LD50= >2g/kg (Rabbit) (Based on similar material)
Inhalation LC50= >5mg/L (4-hr., Rat) (Based on similar material)
Oral LD50= > 5g/kg (Rat) (Based on similar material)

Emulsifier

Potential Health Effects:

Eye: Contact with liquid may cause irritation.
Skin: Contact can cause irritation.
Ingestion: Causes nausea, vomiting, diarrhea, and gastrointestinal irritation.

Chronic Effects:

Skin: Prolonged or repeated exposure can cause drying, defatting, and dermatitis.
Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria. Not listed by IARC, NTP, or ACGIH.
Teratogenicity, Mutagenicity, Reproductive Effects: No data available

Caution studies have linked the over exposure of “solvents” to possible irregularities in blood and Non-Hodgkin’s Lymphoma.

12. Ecological Information

Petroleum Hydrocarbon :This mixture contains components that are potentially toxic to freshwater and saltwater ecosystems.

13. Disposal Considerations

Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete. Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste.

14. Transport Information

Combustible Liquid N.O.S, NA1993, PGIII, ERG#128

15. Regulatory Information

Environmental Regulations

SARA 311:

Acute health:	No	Chronic health:	No
Fire:	Yes	Sudden release of pressure:	No
Reactive:	No		

SARA 313: Title III of the 1986 Super fund Amendments and Reauthorization Act (SARA) and 40 CFR PART 372.

Ingredients	CAS #
Residual Ethylene Oxide	75-21-8

All the chemicals used in this product are TSCA listed.
Check with your local regulators to be sure all local regulations are met.

16. Other Information

Hazard ratings This information is intended solely for the use of individuals trained in the NFPA and/or HMIS systems.

NFPA: Health: 1 Flammability: 2 Reactivity: 0

HMIS: Health: 1 Flammability: 2 Reactivity: 0

RATING: 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT

Note:

For industrial use only. The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. Chemical Solvents Inc makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid, or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards. Possession of an MSDS does not indicate that the possessor of the MSDS was a purchaser or user of the subject product.

Revision Date: 11/18/2019