Hartland Lubricants & Chemicals

SAFETY DATA SHEET

SSGC Solvent

1. Product and Company Identification

Product Name	SSGC Solvent
Synonyms	None
MSDS Number	D22987
Distributor	Hartland Lubricants & Chemicals 2455 Commercial Drive Sparta, WI 54656
Telephone	608-487-9770 Emergency Phone# CHEMTREC – 800.424.9300

NFPA diamond and HMIS ratings for this product may be found in section 16 of this Safety Data Sheet.

2. Hazards Identification

Form	Liquid
Color	Clear, colorless
Odor	Sweet
OSHA/HCS Status	Material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200); flammable, target organ effect
GHS Classification	Flammable liquid (Category 2) Acute toxicity, oral (Category 3) Acute toxicity, inhalation (Category 3) Acute toxicity, dermal (Category 3) Skin irritation (Category 2) Eye irritation (Category 2A) Reproductive toxicity (Category 2) Specific target organ toxicity – single exposure (Category 3 – central nervous system) Specific target organ toxicity – repeated exposure (Category 2) Aspiration hazard (Category 1) Acute aquatic toxicity (Category 2) Chronic aquatic toxicity (Category 2)
Pictogram	
Signal Word	Danger

Hazard Statement(s)

H225	Highly flammable vapor and liquid
H301 + H311 + H331	Toxic if swallowed, in contact with skin or if inhaled
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child

H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

Precautionary Statement(s)

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/hot surfaces. No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/lighting/equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P260	Do not breathe fume/gas/mist/vapors/spray
P264	Wash exposed skin thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P273	Avoid release to the environment
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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
P307 + P311	IF exposed: Call a POISON CENTER or doctor/ physician
P331	Do NOT induce vomiting
P332 + P313	If skin irritation occurs: Get medical advice/ attention
P337 + P313	If eye irritation persists: Get medical advice/ attention
P362	Take off contaminated clothing and wash before reuse
P370 + P378	In case of fire: use dry sand, dry chemical or alcohol-resistant foam for extinction
P403 + P235	Store in a well-ventilated place. Keep cool
P405	Store locked up
P501	Dispose of contents/container to an approved waste disposal plant

Potential Acute Health Effects

Inhalation	Excessive fumes can cause nose irritation, throat irritation, headache, dizziness, nausea, drowsiness, fatigue, weakness, light-headedness, giddiness, and stupor.
Ingestion	Can cause nausea, vomiting, and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis that can be fatal.
Skin	Prolonged or repeated contact can cause moderate irritation, defatting, and dermatitis.
Eyes	Can cause severe irritation, redness, tearing, and blurred vision.

See section 11 for more detailed information on health effects and symptoms

3. Composition/Information on Ingredients

Ingredient Name	CAS Number	WT %
Ethyl Acetate	141-78-6	25-40

Acetone	67-64-1	10-25
Methyl Ethyl Ketone	78-93-3	15-25
Isopropyl Alcohol	67-63-0	5-20
Toluene	108-88-3	2-10
Xylene	1330-20-7	2-10
Methanol	67-56-1	0-5
Ethyl Alcohol	64-17-5	0-5
Miscellaneous (request a current analysis)	Various	0-5
Water	7732-18-5	0-1

4. First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if irritation persists.
Skin Contact	Take off contaminated clothing and shoes. Wash off with soap and plenty of water.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Protection of First Aid Personnel	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wear gloves while removing contaminated clothing. If it is suspected that dust, vapor, mist, or gas is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

5. Fire-fighting Measures

Flammability of the Product	Highly flammable vapor and liquid
Flash Point	Less than 50 °F (10 °C) – tag closed cup
Auto Ignition Temperature	Not known

Extinguishing Media

Suitable	Use dry sand, dry chemical or alcohol-resistant foam for extinction.
Not Suitable	No data available
Special Fire-fighting Procedures & Hazards	Wear positive pressure self-contained breathing apparatus. Containers exposed to fire should be cooled with water to prevent buildup of pressure.
Unusual Fire & Explosion Hazards	Flammable vapors may travel along the ground and spread the fire or be ignited by sparks or other sources of ignition.

6. Accidental Release Measures

Personal Precautions	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

	Discharge to the environment must be avoided.
Spill	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

7. Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition – No Smoking. Take measures to prevent the buildup of electrostatic charge.
Storage	Keep containers tightly closed in a dry and well-ventilated area.

8. Exposure Controls/Personal Protection

Ingredient Name	ACGIH TLV	OSHA PEL
Ethyl Acetate	400 ppm – TWA	400 ppm - TWA
Acetone	500 ppm – TWA	750 ppm – TWA
Methyl Ethyl Ketone	200 ppm – TWA	200 ppm – TWA
Isopropyl Alcohol	200 ppm – TWA	400 ppm – TWA
Toluene	20 ppm - TWA	100 ppm - TWA
Xylene	100 ppm - TWA	100 ppm - TWA
Methanol	200 ppm – TWA	200 ppm – TWA
Ethyl Alcohol	1000 ppm – TWA	1000 ppm – TWA

Engineering Measures	Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Maintain adequate ventilation. Keep levels below exposure limits.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Respiratory	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.
Eyes and Face	Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid or airborne material.
Skin	Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: gauntlet-type, neoprene, nitrile.

9. Physical and Chemical Properties

Appearance	Clear, colorless liquid
Odor	Sweet odor
pH	Not applicable
Water Solubility	Approximately 30%
Vapor Density (air = 1)	Over 2.5
Evaporation rate (butyl acetate = 1)	Variable
Boiling Point (°F)	Over 140-220 °F (60-104.4 °C)
Freezing Point (°F)	Not determined
Specific Gravity (H_20 = 1 @ 70 °F)	0.832
Vapor Pressure (mm Hg, 20 °C)	Approximately 60
Volatile Organic (VOC) Content	100%

10. Stability and Reactivity

Stable: X Unstable: Hazardous Polymerization: Occurs: Does Not Occur: X

Conditions to Avoid	Contact with sparks, fire, hot glowing surfaces, welding arcs, or high temperature sources.
Materials to Avoid	Strong oxidizers, alkalines, and acids
Decomposition Products	Thermo decomposition may product carbon monoxide and/or carbon dioxide.

11. Toxicological Information

Eye		Can cause severe irritation, redness, tearing, and blurred vision.
	Ethyl Acetate	Eyes – no data available
	Acetone	Eyes – rabbit – irritation – 24 h
	Methyl Ethyl Ketone	Eyes - rabbit – irritating
	Isopropyl Alcohol	Eyes – rabbit – irritation – 24 h
	Toluene	Eyes – no data available
	Xylene	Eyes – no data available
	Methanol	Eyes – rabbit – no eye irritation
	Ethyl Alcohol	Eyes – rabbit – mild eye irritation – 24 h
Dermal		Prolonged or repeated contact can cause moderate irritation, defatting, and dermatitis.
	Ethyl Acetate	Dermal LD50 – rabbit – > 18,000 mg/kg Skin corrosion/irritation: may cause skin irritation and/or dermatitis
	Acetone	Dermal LD50 – guinea pig – 7426 mg/kg Skin corrosion/irritation: rabbit – mild skin irritation – 24 h
	Methyl Ethyl Ketone	Dermal LD50 – rabbit – 6480 mg/kg Skin corrosion/irritation: rabbit – no irritation

	Isopropyl Alcohol	Dermal LD50 – rabbit – 12,800 mg/kg
		Skin corrosion/irritation: rabbit – mild skin irritation
	Toluene	Dermal LD50 – rabbit – 12,196 mg/kg
		Skin corrosion/irritation: rabbit – skin irritation – 24 h
	Xylene	Dermal LD50 – no data available
		Skin corrosion/irritation: no data available
	Methanol	Dermal LD50 – rabbit – 17,700 mg/kg
		Skin corrosion/irritation: rabbit – no skin irritation
	Ethyl Alcohol	Dermal LD50 – no data available
		Skin corrosion/irritation: rabbit – no skin irritation – 24 h
Inhalation		Excessive fumes can cause nose irritation, throat irritation, headache, dizziness, nausea, drowsiness, fatigue, weakness, light-headedness, giddiness, and stupor.
	Ethyl Acetate	Inhalation LC50 – mouse – 45,000 mg/m^3 – 2 h
	Acetone	Inhalation LC50 – rat – 50,100 mg/m^3 – 8 h
	Methyl Ethyl Ketone	Inhalation LC50 – mouse – 32,000 mg/m^3 – 4 h
	Isopropyl Alcohol	Inhalation LC50 – rat – 16,000 ppm – 8 h
	Toluene	Inhalation LC50 – rat – 12,500 - 28,800 mg/m^3 – 4 h
	Xylene	Inhalation LC50 – no data available
	Methanol	Inhalation LC50 – rat – 128.2 mg/l – 4 h
	Ethyl Alcohol	Inhalation LC50 – rat – 20,000 ppm – 10 h
Oral		Can cause nausea, vomiting, and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis that can be fatal.
	Ethyl Acetate	Oral LD50 – rat – 5620 mg/kg
	Acetone	Oral LD50 – rat – 5800 mg/kg
	Methyl Ethyl Ketone	Oral LD50 – rat – 2737 mg/kg
	Isopropyl Alcohol	Oral LD50 – rat – 5045 mg/kg
	Toluene	Oral LD50 – rat – > 5580 mg/kg
	Xylene	Oral LD50 – no data available
	Methanol	Oral LD50 – human – 143 mg/kg
	Ethyl Alcohol	Oral LD50 – rat – 7060 mg/kg

Potential Chronic Health Effects

Carcinogenicity	IARC: Group 3 – Not classifiable as to its carcinogenicity to humans (Isopropyl Alcohol)
	IARC: Group 3 – Not classifiable as to its carcinogenicity to humans (Toluene)
	IARC: Group 3 – Not classifiable as to its carcinogenicity to humans (Xylene)
	Mouse – Oral – Tumorigenic: equivocal tumorigenic agent by RTECS criteria. Liver – tumors. Blood – lymphomas including Hodgkin's disease.
	This component is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification (Ethyl Acetate)
Mutagenicity	No data available

Reproductive Toxicity	(Toluene) Damage to fetus possible. Suspected human reproductive toxicant. Reproductive toxicity – rat – inhalation, paternal effects: spermatogenesis (including genetic material, sperm morphology, motility, and count). Developmental toxicity – rat – oral, effects on embryo or fetus: fetotoxicity (except death, e.g. stunted fetus). (Ethyl Alcohol) Human – female – oral: effects on newborn – Apgar score, other neonatal measures or effects, drug dependence.

12. Ecological Information

Biodegradability	No data available
Ecotoxicity	Toxicity to fish: LC50 – Oncorhynchus mykiss (rainbow trout) – 350-600 mg/l – 96 h (ethyl acetate) LC50 – Oncorhynchus mykiss (rainbow trout) – 5540 mg/l – 96 h (acetone) LC50 – Pimephales promelas (fathead minnow) – 3120-3320 mg/l - 96 h (methyl ethyl ketone) LC50 – Pimephales promelas (fathead minnow) – 3120-3320 mg/l - 96 h (isopropyl alcohol) LC50 – Oncorhynchus mykiss (rainbow trout) – 9640 mg/l – 96 h (toluene) Mortality LC50 – Lepomis macrochirus (bluegill) – 15,400 mg/l – 96 h (methanol) Toxicity to aquatic invertebrates: EC50 – Daphnia magna (water flea) – 2300-3090 mg/l – 48 h (ethyl acetate) LC50 – Daphnia magna (water flea) – 8800 mg/l – 48 h (acetone) EC50 – Daphnia magna (water flea) – 7060 mg/l – 24 h (methyl ethyl ketone) EC50 – Daphnia magna (water flea) – 5102 mg/l – 24 h (isopropyl alcohol) EC50 – Daphnia magna (water flea) – 8 mg/l – 24 h (toluene) EC50 – Daphnia magna (water flea) – > 10,000 mg/l – 48 h (methanol) An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

13. Disposal Considerations

Waste Disposal	Dispose of in a permitted hazardous waste management facility following all local, state, and federal regulations.
RCRA	Ethyl Acetate (U112) is considered a hazardous waste if and when it is discarded. Acetone (U002) is considered a hazardous waste if and when it is discarded. Methyl Ethyl Ketone (U159) is considered a hazardous waste if and when it is discarded. Toluene (U220) is considered a hazardous waste if and when it is discarded. Xylene (U239) is considered a hazardous waste if and when it is discarded. Methanol (U154) is considered a hazardous waste if and when it is discarded. **Note:** If this product is altered, it is the responsibility of the user to determine whether the material meets the criteria for hazardous waste at the time of disposal.

14. Transportation

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

US DOT 49 CFR 172.101	**Non-bulk Shipments (Drums/Totes)**	**Bulk Shipments (Tank Trucks/Rail Cars)**
Proper Shipping Name	Flammable Liquid, N.O.S. (Ethyl Acetate, Methyl Ethyl Ketone, Acetone)	Same
Hazard Class	3	Same
Identification Number	UN1993	Same
Packing Group	II	Same
Reportable Quantities	NA	Same
Placards/Labels	Flammable	Same

15. Regulatory Information

CERCLA / SARA Emergency Reporting	A spill or release of this material may trigger the emergency release reporting requirements under CERCLA (40 CFR Part 300) and/or SARA Title III (40 CFR Part 355). State or local reporting requirements may differ from federal requirements. Consult counsel for further guidance on your responsibilities under these laws. **Ethyl Acetate CERCLA reporting amount – 5000 lbs.** **Acetone CERCLA reporting amount – 5000 lbs.** **Methyl Ethyl Ketone CERCLA reporting amount – 5000 lbs.** **Toluene CERCLA reporting amount – 1000 lbs.** **Xylene CERCLA reporting amount –100 lbs.** **Methanol CERCLA reporting amount – 5000 lbs.**
SARA Title III Section 313	This product is known to contain the following chemicals which are listed in 40 CFR 372.65 as toxic chemicals requiring notification. This information must be included in all SDS's that are copied and distributed for this product. **Toluene – CAS# 108-88-3 – 2-10% by weight** **Xylene – CAS# 1330-20-7 – 2-10% by weight** **Methanol – CAS# 67-56-1 – 0-5% by weight**
Clean Water Act (CWA) Section 311	The following chemicals are listed under Section 311 as hazardous substances requiring the submission of a National Pollutant Discharge Elimination System (NPDES) permit application to EPA. **Toluene** **Xylene**
TSCA – Toxic Substances Control Act	All components of this product are listed on the Toxic Substances Control Act Inventory or are excluded from listing requirements.
RCRA – Resource Conservation and Recovery Act	The requirements of the federal hazardous waste regulations do not apply unless the waste fails to pass any of EPA's four tests for determining hazardous wastes. Note: If this product is altered, it is the responsibility of the user to determine whether the material meets the criteria for hazardous waste at the time of disposal. **Ethyl Acetate (U112)** **Acetone (U002)** **Methyl Ethyl Ketone (U159)** **Toluene (U220)**

Xylene (U239)
Methanol (U154)

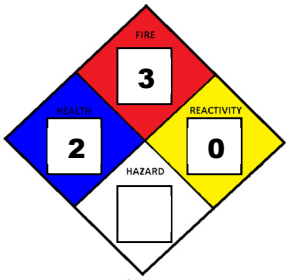
State Regulations

Massachusetts	**RTK Substances:** The following components are listed: Ethyl Acetate (CAS #141-78-6), Acetone (CAS #67-64-1), Methyl Ethyl Ketone (CAS #78-93-3), Isopropyl Alcohol (CAS #67-63-0), Toluene (CAS #108-88-3), Xylene (CAS #1330-20-7), Methanol (CAS #67-56-1), Ethyl Alcohol (CAS #64-17-5)
New Jersey	**RTK Substances:** The following components are listed: Ethyl Acetate (CAS #141-78-6), Acetone (CAS #67-64-1), Methyl Ethyl Ketone (CAS #78-93-3), Isopropyl Alcohol (CAS #67-63-0), Toluene (CAS #108-88-3), Xylene (CAS #1330-20-7), Methanol (CAS #67-56-1), Ethyl Alcohol (CAS #64-17-5)
Pennsylvania	**RTK Substances:** The following components are listed Ethyl Acetate (CAS #141-78-6), Acetone (CAS #67-64-1), Methyl Ethyl Ketone (CAS #78-93-3), Isopropyl Alcohol (CAS #67-63-0), Toluene (CAS #108-88-3), Xylene (CAS #1330-20-7), Methanol (CAS #67-56-1), Ethyl Alcohol (CAS #64-17-5)
California	**Proposition 65:** WARNING: This product contains a chemical known to the State of California to cause birth defects or any other reproductive harm – Toluene

16. Other Information

Date of Issue 9/30/2014

NFPA



HMIS

HEALTH	**2**
FLAMMABILITY	**3**
PHYSICAL HAZARD	**0**
PPE	

Caution: NFPA and HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them.

The customer is responsible for determining the PPE code for this material.

Notice to Reader

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