Safety Data Sheet

Identification of the Substance/Preparation and of the Company 1. HELLER PART #7889 Product Name Manufacturer Heller Industries, Inc. Address 4 Vreeland Road Florham Park, NJ 07932 USA **Emergency Contact** Tel: 973-377-6800 FAX: 973-377-3862 Email Address: info@hellerindustries.com Recommended Use **Hazard Identification** 2. **GHS Classification:** Physical Hazards Not applicable to the GHS Classification Health Hazards Acute Toxicity - Dermal Category 5 Acute Toxicity Inhalation Category 4 **Environmental Hazards** Not applicable to the GHS Classification Hazardous to Aquatic Environment

Label Elements:

Pictograms/Symbols



Signal Word	Warning
Hazard Statements	May be harmful in contact with skin
	Harmful if inhaled
Precautionary Statements	[Prevention]
	Avoid release to the environment.
	Use only outdoors or in a well-ventilated area.

[Response]

Call a POISON CENTER/doctor if you feel unwell.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

[Storage] None

[Disposal]

None

3. Composition/Information on Ingredients

Distinction between Substance and Mixture :	Mixture	
Chemical Name/Generic Name :	Synthetic ester lubricating oil, lubri	cating oil additive
Chemical Formula :	Not identified	
Ingredient and Concentration :	Synthetic ester lubricating oil	80 - 90%
	Lubricating oil additive	10 - 15%
	Antioxidant	1- 5%

4. First-Aid Measures

Inhalation:	Remove victim to fresh air and let him rinse mouth thoroughly with water.
	Wrapping a blanket and the like around him to keep warm for a rest, call a
	doctor/physician immediately.
Skin Contact:	Rinse skin with soap and water.
Eye Contact:	Immediately rinse eyes with clean water for at least 15 minutes. Remove
	contact lenses if present. Continue rinsing. If eye irritation persists, get medical
	attention.
Ingestion:	Call a doctor/physician immediately. Do not induce vomiting.
	If affected, the mouth should be rinsed out thoroughly with water.
Expected Acute and	If swallowed, may suffer from diarrhea and vomiting.
Delayed Symptoms, and	May cause inflammation if in eyes.
Most Important Symptoms/	May cause inflammation if on skin.
Effects:	May feel unwell if mist is inhaled.

5. Fire-Fighting Measures

Suitable Extinguishing Media	Foggy reinforcing agent, foam, powder, or carbon dioxide
Unsuitable Extinguishing Media	Jet water
Specific Hazards	Currently there is no useful information.
Specific Fire-Fighting Measures	Shut off the fire source.
	Use powder or carbon dioxide extinguishers at the beginning of fire.
	It is effective to intercept the air from a big fire with foam
	extinguishers. Use of water may cause spreading of fire.

Cool the surrounding facilities with water spray. Evacuate non essential personnel around the fire. Special Protective Actions for Wearing protective glasses, protective clothing, and if necessary, respiratory protective equipment, start to fight fire on the windward side.

Accidental Release Measures 6.

Fire-Fighting

Personal Precautions, Protective	If skin or eye contact is possible, wear protective equipment. If mist
Equipment and Emergency Procedures	is produced, wear respiratory protective equipment to avoid inhalation.
Environmental Precautions	Take up as much as possible to avoid soil contamination and water pollution. Avoid release to the environment.
Collection/Neutralization	Eliminate the source of ignition of the surrounding.
and Methods/Materials for Containment	In the case of a large amount: Dike ahead of liquid spill area to
	minimize migration and then sweep into an empty container for disposal in a safe place. After disposal, wash away with plenty of water. In doing so, take care to prevent the high concentration of wastes from entering public watercourses such as rivers. In the case of a small amount: Take up into an empty container by
	absorbing the spill with earth and sand or rags, and furthermore sop up with rags thoroughly.
Prevention of Secondary Hazards	Remove all the ignition sources immediately. (Do not smoke nearby and keep away from sparks and flames.) Report to the related organs for help.

Handling and Storage 7.

Handling:

Technical Measures

Before repairing machinery with remnant oils on, remove them thoroughly in a safe place. Take precautionary measures against static discharge and wear electro conductive clothing and shoes.

As vapors released from petroleum products are heavier than air, they are liable to stagnate.

Due to it, attention should be paid to ventilation and fire.

Handle at room temperatures, paying attention to moisture and to impurities not to mix with.

If skin or eye contact is possible, wear protective equipment. If mist is produced, wear respiratory protective equipment to avoid inhalation.

Use a pump and the like to take out of container.

	Do not suck through a tube.
	Do not weld, heat, hole, and cut off the container. Residues may
	ignite involving explosion.
Local Exhaust Ventilation/	Refer to '8. Exposure Controls/Personal Protection'.
Full Ventilation System	
Avoiding Contact	Refer to '10. Stability and Reactivity'.
Precautions for Safe Handling	Do not press an empty container. It may explode under pressure.
	Do not drink.
	Keep out of reach of children.
Storage:	
Technical Measures	Avoid heat, sparks, flames, and static electricity.
	Keep container tightly closed.
Incompatible Materials	Refer to '10. Stability and Reactivity'.
Conditions for Safe Storage	Store in a well-ventilated area.
	Store avoiding exposure to direct sunlight.
Materials for Containers/Packaging	When replacing the container, use metal or glass container. Some
	kinds of resin-treated container may melt.

8. Exposure Controls/Personal Protection

Permissible Concentration (Exposure Limit, a biological exposure index):

Japan Society for Occupational Health (2010):	No description ¹⁾
ACGIH (2010):	No description ²⁾

Standards for Allowable Density of Hazardous Substances in Labor Operation Air: Not established

Engineering Controls: When mist and vapors are produced, seal off sources or provide exhaust ventilation. Facilities for rinsing eyes and washing a body are required near the workplace.

Personal Protective Equipment	
Respiratory Protection:	Usually not necessary. If necessary, wear gas mask (for organic gas).
Hand Protection:	If necessary, wear oil-resistant protective gloves.
Eye Protection:	If diffusion is possible, wear eye protection.
Skin and Body Protection:	If necessary, wear protective clothing and face protection.
Hygienic Precautions:	Wash hands thoroughly after handling.
	Regularly inspect protective equipment according to the inspection table of
	protective equipment.
	Do not eat, drink or smoke when using this product.

9. Physical and Chemical Properties

Physical State:

Appearance

Liquid

Color	Light yellow
Odor	Slightly Oily odor
pH	Not applicable
Melting/Freezing Point	Not applicable
Boiling Point	No data available
Flash Point	$\geq 250^{\circ} C(COC)$
Explosive Range (Explosive Limits)	No data available
Vapor Pressure	No data available
Vapor Density (air=1)	No data available
Specific Gravity (Density)	$0.97 \text{g/cm}^3 (15^{\circ} \text{C})$
Solubility	Insoluble in water
Partition Coefficient: n-octanol/water	No data available
Auto-ignition Temperature	No data available
Pour point	-22.5°C
Volatility	None (at room temperatures)

10. Stability and Reactivity

Stability	Stable
Possibility of Hazardous Reactions	No data available (Hazardous reactions will not occur under normal
	use)
Conditions to Avoid	No data available (Hazardous reactions will not occur under normal
	use)
Incompatible Materials	Halogen, Strong Acid, Strong Alkali, Strong oxidizer
Hazardous Decomposition Products	None

11. Toxicological Information

Acute Toxicity:	
Oral	Information is not classified as Acute Toxicity (Oral).
Dermal	$2000 \text{mg/kg} < \text{ATEmix}(\text{Dermal}) \leq 5000 \text{mg/kg}$ can be estimated
	(based on GHS Classification).
	Classified into Acute Toxicity (Dermal) Category 5. 1.0mg/L
Inhalation	$ATEmix(Inhalation) \leq 5mg/L$ can be estimated (based on GHS)
	Classification).
	Classified into Acute Toxicity (Inhalation) Category 4.
Skin Corrosion/Irritation	Information is not classified as Skin Corrosion/Irritation.
Serious Eye Damage/Eye Irritation	Information is not classified as Serious Eye Damage/Eye Irritation.
Respiratory or Skin Sensitization	Information is not classified as Respiratory or Skin Sensitization.
Germ Cell Mutagenicity	Information is not classified as Germ Cell Mutagenicity.
Carcinogenicity	Information is not classified as Carcinogenicity.

Reproductive Toxicity	Information is not classified as Reproductive Toxicity.
STOT/Systemic Toxicity -	Information is not classified as Specific Target Organ Toxicity/
Single Exposure	Systemic Toxicity (Single Exposure).
STOT/Systemic Toxicity –	Information is not classified as Specific Target Organ Toxicity/
Repeated Exposure	Systemic Toxicity (Repeated Exposure).
Aspiration Hazard Aspiration Hazard	Information is not classified as Aspiration Hazard.

12. Ecological Information

Ecotoxicity	Information is not classified as Aquatic Toxicity.
Persistence and Degradability	No information available
Bioaccumulative Potential	No information available
Mobility in Soil	No information available
Hazardous to the ozone layer	No information available
Other Adverse Effects	No information available
Environmental Criteria	No information available

13. Disposal Considerations

Waste Residues	Dispose the waste according to national and local regulations.
	Do not dump.
Contaminated Containers	Contaminated or empty container/packaging are to be disposed according to
and Packaging	national and local regulations.

14. Transport Information

International Regulation	
UN Classification	Not restricted
IATA	Not restricted
IMO	Not restricted
Special Precautions	Load the containers in a manner that they are certain not to result in direct
	sunlight exposure, damage, corrosion, leak, while being transported.
	Do not place heavy load on top of the container.

15. Regulatory Information

No Information

16. Other Information

References: 1) Recommendation of Occupational Exposure Limits by Japan Society for Occupational Health
2) Thresholds limit values for chemical substances and physical agents and biological exposure indices by ACGIH

3) SDS of raw materials

- 1. As evaluations on hazards are not necessary satisfactory, special attention should be paid foruse.
- 2. This SDS, summarizing matters to be attended to, is required for proper use of the product and is intended for normal use.
- 3. Referring to this SDS, properly use and handle this product on the user's own responsibility.
- 4. The contents of this SDS are based on information available as of today and our knowledge. The information, data, and evaluations herein are not guaranteed, and in addition, may be revised due to revision of laws or knowledge newly obtained.