



HORNADY MFG. CO.

Safety Data Sheet Hornady® Case Sizing Lubricant

SECTION 1: Identification

1.1 Product identifier

Product name	Hornady® Case Sizing Lubricant
Product number	#05009
Brand	Hornady®

1.2 Other means of identification

Case Sizing Lube

1.3 Recommended use of the chemical and restrictions on use

Lubricant for re-sizing brass cartridge cases

1.4 Supplier's details

Name	Hornady Mfg. Co.
Address	P.O. Box 1848 Grand Island NE 68802 USA
Telephone	(308) 382-1390
Fax	(308) 382-5761
email	www.hornady.com

1.5 Emergency phone number(s)

CHEMTREC: (800) 424-9300 / (703) 527-3887

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

Based on available data, this product does not meet the classification criteria under the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

2.4 Routes of Entry: Inhalation: Yes Absorption: No Ingestion: Yes

2.5 Signal Word: None

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. Castor oil

Concentration	100 % (weight)
EC no.	232-293-8
CAS no.	8001-79-4

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists, refer to Section 8 for specific personal protective equipment. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
In case of skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
In case of eye contact	Immediately flush eyes with plenty of water at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
If swallowed	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Personal protective equipment for first-aid responders	In event of emergency, assess the danger before taking action. Do not put yourself at risk of injury. Use personal protective equipment as required. Victims of chemical exposure must be taken for medical attention. If necessary, rescuers should be taken for medical attention. Take a copy of label and SDS to physician or health professional with victim.

4.2 Most important symptoms/effects, acute and delayed

No known significant effects or critical hazards.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No specific antidote data available. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use dry chemical, alcohol-resistant foam, dry sand, and carbon dioxide. Do NOT use water or water jet.

5.2 Specific hazards arising from the chemical

Closed containers may explode in a fire or if exposed to extreme heat. Thermal decomposition can lead to release of irritating gases and vapors.

Castor oil: Carbon oxides

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk without suitable training.

Further information

Keep product and empty container away from heat and sources of ignition.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas.

Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders:

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Small spill:

Stop leak if without risk. Move containers from spill area. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

Large spill:

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, watercourses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material (e.g. sand, earth, vermiculite or diatomaceous earth and place in a container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

Reference to other sections

For disposal, see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Avoid ingestion and inhalation.

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

See Section 8 for additional information on appropriate protective equipment and hygiene measures.

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7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Castor Oil (CAS: 8001-79-4 EC: 232-293-8)

REL-TWA: 10 mg/m³ (Total) (NIOSH)

REL-TWA: 5 mg/m³ (Resp) (NIOSH)

8.2 Appropriate engineering controls

Good ventilation should be sufficient to control worker exposure to airborne contaminants.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.

Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

Respiratory protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements for environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid, pale-yellowish, viscous
Odor	Faint, mild odor
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	-10°C (14°F)
Initial boiling point and boiling range	313°C (595°F)
Flash point	229°C (445°F)
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.

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SECTION 9 (CONT.)

Vapor pressure	Not applicable.
Vapor density	No data available.
Relative density	0.96
Solubility(ies)	Insoluble in water. Soluble in alcohol, benzene, carbon disulfide, chloroform
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	449°C (840°F)
Decomposition temperature	No data available.
Viscosity	6-8 Ps at 25°C
Explosive properties	No data available.
Oxidizing properties	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

None known, based on information available.

10.2 Chemical stability

Stable under normal conditions, no hazardous reactions when kept from incompatibles.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Incompatible products. Intense heat.

10.5 Incompatible materials

Reacts with strong oxidizing agents, acids, bases.

Castor oil: Strong oxidizing agents

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide from burning.

In the event of fire: see Section 5.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No acute toxicity information is available for this product.

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

This product has not been reported to be carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Reproductive toxicity

No data available.

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SECTION 11 (CONT.)

STOT-single exposure

None known.

STOT-repeated exposure

None known.

Aspiration hazard

Based on available data, classification data are not met.

SECTION 12: Ecological information

Toxicity

None.

Persistence and degradability

Insoluble in water, may persist based on information available.

Bioaccumulative potential

No data available.

Mobility in soil

It is not likely mobile in the environment due to its low water solubility.

Other adverse effects

No data available

SECTION 13: Disposal considerations

Disposal of the product

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements. The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. This material and its container must be disposed of in a safe way.

Disposal of contaminated packaging

Dispose of as unused product. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Empty containers and liners may retain some product residues.

Waste treatment

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Sewage disposal

Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction

Other disposal recommendations

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Processing, use, or contamination may change waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or cosigned to licensed hazardous waste haulers for disposal.

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SECTION 14: Transport information

DOT (US)

This product is not regulated by TDG, DOT, IMDG, or IATA Classifications.

IMDG

This product is not regulated by TDG, DOT, IMDG, or IATA Classifications.

IATA

This product is not regulated by TDG, DOT, IMDG, or IATA Classifications.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

New Jersey Right To Know Components

Castor oil
CAS-No. 8001-79-4

Pennsylvania Right To Know Components

Castor oil
CAS-No. 8001-79-4

Canadian Domestic Substances List (DSL)

Chemical name: Castor oil
CAS: 8001-79-4

SARA 302 Components

This product is not subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Not applicable.

Toxic Substances Control Act (TSCA) 12(b)

Not applicable.

California Prop. 65 Components

This product contains no listed substances that require a warning under California's Proposition 65 statute.

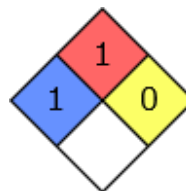
State Regulations/Right To Know Components:

This product does not apply to any identified U.S. State Right-to-Know regulations or requirements.

HMIS Rating

Hornady® Case Sizing Lubricant	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



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SECTION 16: Other information

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Hornady Manufacturing Company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Hornady Manufacturing Company has been advised of the possibility of such damages.

16.2 Preparation information

Prepared By: S.Duncan