



**HORNADY MFG. CO.**

## **Safety Data Sheet**

### **Hornady® One Shot® Case Lube**

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#### **SECTION 1: Identification**

##### **1.1 Product identifier**

Product name	Hornady® One Shot® Case Lube
Chemical Name	See Section 3 Composition and Ingredients
Product number	#9991, #99913
Brand	Hornady®

##### **1.2 Other means of identification**

One Shot®, Case Lube

Trade Names: One Shot® Case Lube (aerosol)

##### **1.3 Recommended use of the chemical and restrictions on use**

Case Cleaner & Lubricant

##### **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	<a href="http://www.hornady.com">www.hornady.com</a>

##### **1.5 Emergency phone number(s)**

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

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#### **SECTION 2: Hazard identification**

##### **2.1 Classification of the substance or mixture**

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

- Skin corrosion/irritation, Cat. 2
- Specific target organ toxicity (repeated exposure), Cat. 2
- Specific target organ toxicity (single exposure), Cat. 3
- Toxic to reproduction, Cat. 2
- Flammable aerosols, Cat. 1
- Aspiration hazard, Cat. 1

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### 2.2 GHS label elements, including precautionary statements

#### Pictogram



#### Signal word

**Danger**

#### Hazard statement(s)

H315	Causes skin irritation
H335	May cause respiratory 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
H222	Extremely flammable aerosol
H304	May be fatal if swallowed and enters airways
H225	Highly flammable liquid and vapor
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.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands 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.
P281	Use personal protective equipment as required
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see ... on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local and national regulations
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician
P331	Do NOT induce vomiting.

#### Routes of Entry:

Inhalation: Yes   Absorption: Yes   Ingestion: Yes

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

#### Hazardous components

##### 1. N-HEXANE

Concentration	≤ 65 % (weight)
EC no.	203-777-6
CAS no.	110-54-3
Index no.	601-037-00-0

##### 2. Component 2 (trade secret)\*

Concentration	≤ 20 % (weight)
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##### 3. Petroleum gases, liquefied, sweetened, if they contain > 0.1% w/w Butadiene

Concentration	≤ 15 % (weight)
EC no.	270-705-8
CAS no.	68476-86-8

##### 4. OTHER COMPONENTS PRESENT IN LESS THAN 1% CONCENTRATION

Concentration	Balance
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Remaining components do not contribute any significant additional hazards

#### Trade secret statement (OSHA 1910.1200(i))

\*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice	Medical Conditions Aggravated by Exposure: None reported by the manufacturer.
If inhaled	Remove victim to fresh air at once. If breathing is difficult, provide supplemental oxygen. If breathing has stopped, provide artificial respiration. Seek immediate medical attention. Provide supportive treatment, keeping victim warm and quiet. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
In case of skin contact	Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek prompt medical attention. Launder clothing before reuse.
In case of eye contact	Flush eyes thoroughly with copious amounts of water for at least 20 minutes, holding eyelids open to ensure complete flushing. Seek immediate medical attention
If swallowed	Do not induce vomiting. Call a physician or poison control center for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration

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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

If breathing has stopped, provide artificial respiration. Seek immediate medical attention.

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Use water spray to cool fire-exposed containers. Use foam, dry chemical, or carbon dioxide.

### 5.2 Specific hazards arising from the chemical

Emits toxic fumes under fire conditions. The flammability of an aerosol by WHMIS is determined by its flame-extension or its flashback. The flame extension of this product is greater than 45 cm. Fire Code: Level 3 Aerosol (per NFPA 30B). Do not use in presence of open flames or sparks. Do not place in hot water or near radiators, stoves, or other sources of heat. Exposure to heat or sunlight may cause cans to burst and propel contents. Water from fog nozzles may be helpful in cooling un-ruptured containers to prevent build-up. Burning may produce hazardous products of combustion including fumes, smoke, carbon dioxide and/or carbon monoxide.

### 5.3 Special protective actions for fire-fighters

As in any fire, wear a self-containing breathing apparatus is pressure demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Containers may explode in the heat of a fire. Flammable liquid and vapor. Cool containing vessels with water spray in order to prevent pressure build-up, auto-ignition or explosion. Avoid spreading burning liquid with water used to cool containers. Keep containers cool until well after the fire is out. Prevent runoff from fire control dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters should wear full-face, self-containing breathing apparatus (MSHA/NIOSH approved or the equivalent) and impervious clothing.

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## 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".

### 6.3 Methods and materials for containment and cleaning up

Secure spill area, remove or minimize all sources of ignition, and maximize ventilation. Stop spill or leak at source if safely possible. Deny entry to all unprotected individuals. Individuals involved in the cleanup must wear appropriate personal protective equipment. Use proper personal protective equipment as indicated in section 8. Recover free liquid or cover with inert absorbent material and place into appropriate container(s) for disposal. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers or any natural waterway or drinking supply. Contact appropriate local and/or provincial authorities for assistance and/or reporting requirements.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Use spark-proof tools and explosion proof equipment. Do not get in eyes, on skin, or on clothing. Take precautionary measures against static discharge. Keep away from heat, sparks, and flame. Do not ingest or inhale. Avoid breathing vapors. Avoid direct skin contact. Wash hands thoroughly after using this product and before eating, drinking, or smoking.

#### **Special Precautions**

Contents under pressure. Container may explode if heated. Direct inhalation of spray may be harmful. Keep out of reach of children.

### **7.2 Conditions for safe storage, including any incompatibilities**

Use and store in a cool, dry, well-ventilated area. Keep away from excessive heat, open flames, sparks, and other possible sources of ignition. Do not store in unmarked containers or storage devices. Store in a tightly closed container. Store in an area equipped with automatic sprinklers or fire extinguishing system. Empty containers contain product residues and should be treated as if full. Bond and ground all equipment when transferring product from one container to another.

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## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **1. n-Hexane (CAS: 110-54-3)**

PEL (Inhalation): 500 ppm (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 1800 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 50 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): 50 ppm (NIOSH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### **8.2 Appropriate engineering controls**

General mechanical ventilation and local exhaust is required for use with this product. When storing large volumes of this product (e.g. more than 1 gallon), use explosion-proof ventilation equipment. Facilities storing or using large quantities of this material should be equipped with an eyewash facility and a safety shower.

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

#### **Eye/face protection**

Approved safety glasses with side shields should be used with this product. If splashing is anticipated, splash goggles and a face shield are recommended.

#### **Skin protection**

Where contact is likely, impervious gloves are recommended. Do not wear rings, watches, or jewelry that could entrap the material against the skin.

#### **Body protection**

None required under normal conditions.

#### **Respiratory protection**

A respiratory protection program that meets ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirators use. Do not inhale vapors.

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## **SECTION 9: Physical and chemical properties**

### **Information on basic physical and chemical properties**

Appearance/form (physical state, color, etc.)	Aerosol. Pale yellow liquid.
Odor	N/A
Odor threshold	Characteristic odor
pH	ND
Melting point/freezing point	-20 °C (n-Hexane)
Initial boiling point and boiling range	N/A
Flash point	-22 °C (-7.6 °F), n-HEXANE
Evaporation rate	N/A
Flammability (solid, gas)	Fire Code: Level 3 Aerosol (per NFPA 30B).
Upper/lower flammability limits	N/A
Upper/lower explosive limits	Upper Explosive Limit (UEL): 7.0 Lower Explosive Limit (LEL): 1.25
Vapor pressure	160 mbar @ 20 °C (n-Hexane)
Vapor density	(n-Hexane): 2.97 (air=1.0); VOC Content: 120 g/L
Relative density	0.675-0.696
Solubility(ies)	Negligible
Partition coefficient: n-octanol/water	N/A
Auto-ignition temperature	223 °C (433.4 °F), n-HEXANE
Decomposition temperature	N/A
Viscosity	0.31 mPa @ 20 °C (n-Hexane)
Explosive properties	Explosive.
Oxidizing properties	N/A

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## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

Polymerization: Will not occur.

### **10.2 Chemical stability**

Stable under normal conditions of temperature and pressure

### **10.3 Possibility of hazardous reactions**

N/A

### **10.4 Conditions to avoid**

Exposure to excessive heat or open flames, storage in open container, long exposure to intense sunlight, and incompatible materials.

### **10.5 Incompatible materials**

Strong oxidizing agents, fluorine, liquid chlorine, dinitrogen tetroxide, magnesium perchlorate, strong acids, alkalis.

### **10.6 Hazardous decomposition products**

Carbon dioxide, carbon monoxide, low molecular weight hydrocarbons and other organic compounds

## **SECTION 11: Toxicological information**

### **Information on toxicological effects**

#### **Acute toxicity**

See section 2

#### **Skin corrosion/irritation**

See section 2

#### **Serious eye damage/irritation**

See section 2

#### **Respiratory or skin sensitization**

See section 2

#### **Germ cell mutagenicity**

This product is not expected to cause mutagenic effects in humans. Mutagenic effects have occurred in experimental animals

#### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

#### **Reproductive toxicity**

This product is not expected to cause reproductive harm in humans. Adverse reproductive effects have occurred in experimental animals.

#### **Toxicity Data**

n-Hexane: Draize test, rabbit, eye: 10 mg Mild; inhalation, mouse:  $LC_{50} = 150,000 \text{ mg/m}^3/2\text{H}$ ; Inhalation, rat:  $LC_{50} = 48,000 \text{ ppm/4H}$ ; Inhalation, rat:  $LC_{50} = 627,000 \text{ mg/m}^3/3\text{M}$ ; Oral, rat:  $LD_{50} = 25 \text{ gm/kg}$ . Tumorigenic effects have been reported in experimental animals.

#### **Mutagenicity**

This product is not expected to cause mutagenic effects in humans. Mutagenic effects have occurred in experimental animals

#### **Embryotoxicity**

This product is not expected to cause embryotoxic effects in humans.

#### **Teratogenicity**

This product is not expected to cause teratogenic effects in humans. Teratogenic effects have occurred in experimental animals.

#### **STOT-single exposure**

See section 2

#### **STOT-repeated exposure**

See section 2

#### **Aspiration hazard**

N/A

#### **Additional information**

Medical Recommendations: Treat symptomatically

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## **SECTION 12: Ecological information**

### **Toxicity**

Environmental Stability:

Estimated BCF values = 2.24 and 2.89. These values suggest that hexane will show low bio-concentration in aquatic organisms. Estimated Koc value = 4.11. Expected to exist entirely in the vapor phase in ambient air, expected half-life 2.8 days. Expected to biodegrade but not bio-concentrate.

### **Mobility in soil**

This product will show slight soil mobility and is expected to rapidly volatilize from moist surface soils. Volatilization and adsorption are expected to be the most important fate process.

### **Other adverse effects**

Effect on Aquatic Life:

Photolysis or hydrolysis is not expected to be important. WGK (Germany): 1

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## **SECTION 13: Disposal considerations**

### **Disposal of the product**

Dispose of in accordance with federal & provincial hazardous waste laws.

### **Special Considerations**

U.S. EPA Hazardous Waste: D001 (Characteristic – Ignitability). If the material is unsuitable for recycling or reclamation. Enclosed-controlled incineration is recommended unless otherwise prohibited by local ordinance.

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## **SECTION 14: Transport information**

### **49 CFR (GND):**

UN1950, AEROSOLS, 2.1, LTD QTY ( $\leq 0.5$  L); or CONSUMER COMMODITY, ORM-D

### **IATA (AIR):**

UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD ( $\leq 0.5$  L); or ID8000, CONSUMER COMMODITY, 9

### **IMGD (OCN):**

UN1950, AEROSOLS, 2.1, LTD QTY. ( $\leq 0.5$  L)

### **TDGR (Canadian GND):**

MARK PACKAGE "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" ( $\leq 0.5$  L)

### **ADR/RID (EU):**

UN1950, AEROSOLS, 2.1, LTD QTY ( $\leq 0.5$  L)

### **MEXICO (SCT):**

UN1950, AEROSOLS, 2.1, CANTIDAD LIMITADA ( $\leq 0.5$  L)

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## **SECTION 15: Regulatory information**

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

#### **Massachusetts Right to Know Components**

Chemical name: Hexane

CAS number: 110-54-3

#### **New Jersey Right to Know Components**

Common name: n-HEXANE

CAS number: 110-54-3



# Safety Data Sheet

## Hornady® One Shot® Case Lube

### Pennsylvania Right to Know Components

Chemical name: Hexane

CAS number: 110-54-3

### Canadian Domestic Substances List (DSL)

Chemical name: Hexane

CAS: 110-54-3

### California Prop. 65 components

Chemical name: N-HEXANE

CAS number: 110-54-3

12/15/2017 - Male reproductive toxicity

### SARA Reporting Requirements

This product contains n-Hexane, a chemical subject to SARA Section 313 reporting requirements.

### SARA Threshold Planning Quantity

NA

### Toxic Substances Control Act (TSCA) Inventory Status

All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from inventory status

### CERCLA Reportable Quantity (RQ)

n-Hexane: 2,270 kg (5,000 lbs)

### Other Federal Requirements

This product does not contain any Class 1 or Class 2 ozone depleters. n-Hexane is listed as a hazardous air pollutant (HAP). None of the chemicals in this product are listed as Priority Pollutants under the Clean Water Act (CWA)

### Other Canadian Regulations

This product has been classified according to the hazard criteria or the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are listed on the Priorities Substances List.

### 67/548/EEC (European Union) and CLP/GHS (1272/2008/EC) Requirements

#### n-Hexane:

Flammable, Irritant, Harmful to the Environment (F, Xi, N).

#### Risk Phrases (R):

R12- Extremely flammable. R38- Irritating to skin. R48/20- Harmful danger of serious damage to health by prolonged exposure through inhalation. R62- Possible risk of impaired fertility. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65- Harmful- may cause lung damage if swallowed. R67- Vapors may cause drowsiness and dizziness.

#### Safety Statements (S):

S9- Keep container in a well-ventilated place. S16- Keep away from sources of ignition- No smoking. S29- Do not empty into drains. S33- Take precautionary measures against static discharges. S36/37- Wear suitable protective clothing and gloves. S61- Avoid release to the environment. Refer to special instructions /Safety Data Sheets. S62- If swallowed, do not induce vomiting- seek medical advice immediately and show this container or label.

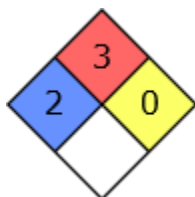
# Safety Data Sheet

## Hornady® One Shot® Case Lube

### HMIS Rating

Hornady® One Shot® Case Lube	
HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

### NFPA Rating



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## SECTION 16: Other information

See Section 2 (Hazards Identification). Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

### 16.1 Further information/disclaimer

This Safety Data Sheet complies with Health Canada's Workplace Hazardous Information System (WHIMS) & U.S. OSHA's Hazard Communication Standard 29 CFR 1910.1200. To the best of Hornady Manufacturing Company's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product. Contact the manufacturer for additional information

### 16.2 Preparation information

Prepared By: S.Duncan