


1. PRODUCT IDENTIFICATION

1.1	Product name:	HORNADY® One Shot® Gun Cleaner & Dry Lube, One Shot® TAP® HD-Extreme
1.2	Chemical Name	See Section 3 Composition and Ingredients
1.3	Synonyms	Gun Cleaner, Lube, One Shot®
1.4	Item Number	#9990, #99901, #99936
1.5	Trade Names	Hornady® One Shot® Gun Cleaner & Dry Lube (aerosol)
1.6	Product Use	Firearm Cleaner & Lubricant
1.7	Manufacturer's Name	Hornady Manufacturing Company
1.8	Manufacturer's Address	P.O. Box 1848, Grand Island, Ne 68802 USA
1.9	Business Phone	+1 (308) 382-1390
1.10	Emergency Phone	CHEMTREC: +1 (800) 424-9300 / +1 (703) 527-3887
1.11	Prepared By	K.Hoover

2. HAZARD IDENTIFICATION

2.1	<p>HAZARD CLASSIFICATION: Extremely Flammable Aerosol Category 1. Aspiration Hazard Category 1. STOT Hazard Category 2. Toxic to Reproduction Category 2. Skin Irritant Category 2. Hazardous to Aquatic Environment- Long Term Hazard Category 2.</p> <p>SIGNAL WORD: Danger</p> <p>HAZARD STATEMENTS (H): H222- Extremely flammable aerosol. H225- Highly flammable liquid and vapor. H304- May be fatal if swallowed and enters airways. H315- Causes skin 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</p> <p>PRECAUTIONARY STATEMENTS (P): P210- Keep away from heat/sparks/flames/hot surfaces-no smoking. P261- Avoid breathing fume/gas/mist/vapors/spray. P273- Avoid release to the environment. P281- Use personal protective equipment as required. P301+310- If SWALLOWED- immediately call a POISON CENTER or doctor/physician. P331- DO NOT induce vomiting. P501- Dispose of contents and container in accordance with local and national regulations.</p>	<p>Pictogram</p> 							
2.2	<table border="1" style="width: 100%;"> <tr> <td>Routes of Entry:</td> <td>Inhalation:</td> <td>Yes</td> <td>Absorption:</td> <td>Yes</td> <td>Ingestion:</td> <td>Yes</td> </tr> </table>	Routes of Entry:	Inhalation:	Yes	Absorption:	Yes	Ingestion:	Yes	
Routes of Entry:	Inhalation:	Yes	Absorption:	Yes	Ingestion:	Yes			

See Section 16 for Definitions of Terms Used

NOTE: All WHIMS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2010 format.

3. Composition & Ingredients

					EXPOSURE LIMITS IN AIR - ppm (mg/m ³)							
					ACGIH			NOHSC (ES-)			OSHA	
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH
n-HEXANE	110-54-3	MN92750000	203-777-6	≤ 65	50	NA	50	NF	NF	50	500	1000
PROPRIETARY MIXTURE	NA	NA	NA	≤ 20	NA	NA	NF	NF	NF	NA	NA	NA
PETROLEUM GAGES, LIQUEFIED, SWEETENED	68476-86-6	NA	270-705-8	≤ 15	1000	NA	1000	NF	NF	1000	NA	NA
OTHER COMPONENTS PRESENT IN LESS THAN 1% CONCENTRATION					BAL	THE REMAINING COMPONENTS DO NOT CONTRIBUTE ANY SIGNIFICANT ADDITIONAL HAZARDS						



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4. FIRST AID

4.1	<p>EYES: Flush eyes thoroughly with copious amounts of water for at least 20 minutes, holding eyelids open to ensure complete flushing. Seek immediate medical attention</p> <p>SKIN: Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek prompt medical attention. Launder clothing before reuse.</p> <p>INGESTION: 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</p> <p>INHALATION: 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.</p>
4.2	Medical Conditions Aggravated by Exposure: None reported by the manufacturer.

5. FIRE & EXPLOSION HAZARDS

5.1	Flashpoint & Method: -22 °C (-7.6 °F), n-HEXANE
5.2	Autoignition Temperature: 223 °C (433.4 °F), n-HEXANE
5.3	Flammability Limits: Lower Explosive Limit (LEL): 1.25 Upper Explosive Limit (UEL): 7.0
5.4	<p>Fire & Explosion Hazards: 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.</p>
5.5	<p>Extinguishing Methods: Use water spray to cool fire-exposed containers. Use foam, dry chemical, or carbon dioxide.</p>
5.6	<p>Firefighting Procedures: 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, autoignition 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.</p>

6. SPILLS & LEAKS

6.1	<p>Spills: 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.</p>
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7. STORAGE & HANDLING

7.1	Work & Hygiene Practices: 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.
7.2	Storage & Handling: 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.
7.3	Special Precautions: Contents under pressure. Container may explode if heated. Direct inhalation of spray may be harmful. Keep out of reach of children.

8. EXPOSURE CONTROL & PERSONAL PROTECTION

8.1	Ventilation & 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.
8.2	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.
8.3	Eye 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.
8.4	Hand Protection: Where contact is likely, impervious gloves are recommended. Do not wear rings, watches, or jewelry that could entrap the material against the skin.
8.5	Body Protection: None required under normal conditions.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.675-0.696
9.2	Boiling Point:	69 °C (155 °F) @ 760 mm Hg
9.3	Melting Point:	-20 °C (n-Hexane)
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure @ 20 °C:	160 mbar @ 20 °C (n-Hexane)
9.6	Molecular Weight:	NA
9.7	Appearance & Color:	Aerosol. Pale yellow liquid.
9.8	Odor Threshold:	Characteristic odor
9.9	Solubility:	Negligible
9.10	pH:	ND
9.11	Viscosity:	0.31 mPa @ 20 °C (n-Hexane)
9.12	Coefficient oil/water Distribution:	NA
9.13	Additional Information:	Vapor Density (n-Hexane): 2.97 (air=1.0); VOC Content: 120 g/L



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10. STABILITY & REACTIVITY

10.1	Stability: Stable under normal conditions of temperature and pressure.
10.2	Decomposition Products: Carbon dioxide, carbon monoxide, low molecular weight hydrocarbons and other organic compounds.
10.3	Polymerization: Will not occur.
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 Substance: Strong oxidizing agents, fluorine, liquid chlorine, dinitrogen tetroxide, magnesium perchlorate, strong acids, alkalis.

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data: n-Hexane: Draize test, rabbit, eye: 10 mg Mild; inhalation, mouse: LC ₅₀ = 150,000 mg/m ³ /2H; Inhalation, rat: LC ₅₀ = 48,000 ppm/4H; Inhalation, rat: LC ₅₀ = 627,000 mg/m ³ /3M; Oral, rat: LD ₅₀ = 25 gm/kg. Tumorigenic effects have been reported in experimental animals.
11.2	Acute Toxicity: See section 2.5
11.3	Chronic Toxicity: See section 2.6
11.4	Suspected Carcinogen: Trace amounts of chemicals known to the State of California to cause cancer, birth defects or other reproductive harm may be present in this product. However, the levels do not constitute a significant risk.
11.5	Reproductive Toxicity:
	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.
	Reproductive Toxicity: This product is not expected to cause reproductive harm in humans. Adverse reproductive effects have occurred in experimental animals.
11.6	Irritancy of Product: NA
11.7	Biological Exposure Indices: NA
11.8	Medical Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: Estimated BCF values = 2.24 and 2.89. These values suggest that hexane will show low bioconcentration 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 bioconcentrate.
12.2	Effect on Plants & Animals: 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.
12.3	Effect on Aquatic Life: Photolysis or hydrolysis is not expected to be important. WGK (Germany): 1



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13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal: Dispose of in accordance with federal & provincial hazardous waste laws.
13.2	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.

14. TRANSPORTATION INFORMATION

14.1	49 CFR (GND): UN1950, AEROSOLS, 2.1, LTD QTY (≤0.5 L); or CONSUMER COMMODITY, ORM-D
14.2	IATA (AIR): UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD (≤0.5 L); or ID8000, CONSUMER COMMODITY, 9
14.3	IMGD (OCN): UN1950, AEROSOLS, 2.1, LTD QTY. (≤0.5 L)
14.4	TDGR (Canadian GND): MARK PACKAGE "LIMITD QUANTITY" or "QUANTITÉ LIMITEE" or "LTD QTY" or "QUANT LTÉE" (≤0.5 L)
14.5	ADR/RID (EU): UN1950, AEROSOLS, 2.1, LTD QTY (≤0.5 L)
14.6	MEXICO (SCT): UN1950, AEROSOLS, 2.1, CANTIDAD LIMITADA (≤0.5 L)

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements: This product contains n-Hexane, a chemical subject to SARA Section 313 reporting requirements.
15.2	SARA Threshold Planning Quantity: NA
15.3	TSCA Inventory Status: All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from inventory status.
15.4	CERCLA Reportable Quantity (RQ): n-Hexane: 2,270 kg (5,000 lbs)
15.5	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)
15.6	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/NDSL. None of the components of this product are listed on the Priorities Substances List.
15.7	State Regulatory Information: n-Hexane is listed on the following state criteria lists: Florida Toxic Substances List, Massachusetts Hazardous Substances List, Minnesota Hazardous Substances List, New Jersey Right-to-Know List, Pennsylvania Hazardous Substances List, Washington Permissible Exposure List.
15.8	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. Hazard Statements (H):



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Precautionary Statements (S):

P210- Keep away from heat/sparks/flames/hot surfaces-no smoking. P261- Avoid breathing fume/gas/mist/vapors/spray. P273- Avoid release to the environment. P281- Use personal protective equipment as required. P301+310- If SWALLOWED- immediately call a POISON CENTER or doctor/physician. P331- DO NOT induce vomiting. P501- Dispose of contents and container in accordance with local and national regulations.

16. OTHER INFORMATION

16.1	Other Information: Hazardous Material Information System (HMIS) Health-2 Fire-3 Reactivity-0 PPE-B
16.2	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