

1. PRODUCT IDENTIFICATION

1.1	Product name:	HORNADY® One Shot® Sonic Clean™ Solution- Gun Parts Formula
1.2	Chemical Name	See Section 3 Composition and Ingredients
1.3	Parts Number	#043360, 043361
1.4	Synonyms	Parts Cleaning Solution
1.5	Product Use	Ultrasonic Cleaning Solution
1.6	Manufacturer's Name	Hornady Manufacturing Company
1.7	Manufacturer's Address	P.O. Box 1848, Grand Island, Ne 68802 USA
1.8	Business Phone	+1 (308) 382-1390
1.9	Emergency Phone	CHEMTREC: +1 (800) 424-9300 / +1 (703) 527-3887
1.10	Prepared By	K.Hoover

2. HAZARD IDENTIFICATION

2.1	HAZARD CLASSIFICATION:	Pictogram							
	<p>Flammable liquid-Category 3. Acute Toxicity Oral- Category 4. Skin Irritation- Category 2. Eye Damage- Category 1. Sensitization Skin- Category 1. STOT RE- Category 2. Carcinogenicity- Category 1B.</p> <p>SIGNAL WORD: Warning</p> <p>HAZARD STATEMENTS (H): H226- Flammable liquid and vapor. H302- Harmful if swallowed. H315- Causes skin irritation. H317- May cause an allergic skin reaction. H318- Causes serious eye damage. H350- May cause cancer if inhaled or ingested. H373- May cause damage to organs kidney/ liver if inhaled or ingested. H410- Very toxic to aquatic life with long lasting effects.</p> <p>PRECAUTIONARY STATEMENTS PREVENTION (P): P264- Wash hands thoroughly after handling. P270- Do not eat, drink, or smoke when using this product. P280- Wear protective gloves/eye protection/ face protection. P261- Avoid breathing gas/mist/vapours/spray. P271- Use only outdoors or in a well-ventilated area.</p> <p>PRECAUTIONARY STATEMENT RESPONSE (P): P301+302- IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. P330- Rinse mouth. P302+352- IF ON SKIN: Wash with plenty water. P332+313- If skin irritation occurs: Get medical advice/ attention. P362+364- Take off contaminated clothing and wash it before reuse. P305+351+338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313- If eye irritation persists: Get medical advice/ attention. P304+340- IF INHALED: remove person to fresh air and keep comfortable for breathing. P391- Collect spillage.</p> <p>PRECAUTIONARY STATEMENT STORAGE (P): P403+233- Store in a well-ventilated place. Keep container tightly closed. P405- Keep locked up.</p> <p>PRECAUTIONARY STATEMENT DISPOSAL (P): P501- Dispose of contents/ container in accordance with local/regional/national/international regulations.</p>	  							
2.2	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Routes of Entry:</td> <td style="width: 15%;">Inhalation:</td> <td style="width: 10%;">Yes</td> <td style="width: 15%;">Absorption:</td> <td style="width: 10%;">Yes</td> <td style="width: 15%;">Ingestion:</td> <td style="width: 10%;">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.



SAFETY DATA SHEET

HORNADY® One Shot® Sonic Clean™
Solution- Gun Parts Formula

Prepared to OSHA GHS Standards

SDS Revision: 1.0

SDS Revision Date: 6/15/2015

3. Composition & Ingredients

					EXPOSURE LIMITS IN AIR – ppm (mg/m ³)				
					ACGIH		OSHA		
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	PEL	STEL	IDLH
Water	7732-18-5		231-791-2	75-85	-	-	-	-	-
Dipropylene Glycol Propyl Ether	29911-27-1			0-10	-	-	-	-	-
Isopropylamine Dodecylbenzenesulfonate	26264-05-1			0-5	-	-	-	-	-
d-Limonene	5989-27-5		227-813-5	0-5	50	-	-	-	-
Cocoamide DEA	68603-42-9			0-5	-	-	-	-	-
Pine Oil	8002-09-3			0-5	10	-	-	-	-
Diethanolamine	111-42-2	KL2975000	203-868-0	0-5	-	-	2	-	-
Petroleum Oil 4240	64742-52-5			0-5	-	-	-	-	-
OTHER COMPONENTS PRESENT IN LESS THAN 1% CONCENTRATION				BAL	THE REMAINING COMPONENTS DO NOT CONTRIBUTE ANY SIGNIFICANT ADDITIONAL HAZARDS				

4. FIRST AID

4.1	<p>EYES: For eyes, flush with plenty of water for 15 minutes and get medical attention.</p> <p>SKIN: In case of contact with skin immediately remove contaminated clothing. Wash thoroughly with soap and water. Wash contaminated clothing before reuse.</p> <p>INHALATION: After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the hear has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR).</p> <p>INGESTION: Rinse mouth. Do NOT induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY. Do NOT give liquids to an unconscious or convulsing person.</p>
4.2	Medical Conditions Aggravated by Exposure: None.

5. FIRE & EXPLOSION HAZARDS

5.1	Flashpoint & Method: 93°C (200°F)
5.2	Autoignition Temperature: 260°C (500°F)
5.3	Flammability Limits: Lower Explosive Limit(LEL): Upper Explosive Limit (UEL):
5.4	Fire & Explosion Preventive Measures No open flames.
5.5	Extinguishing Methods: Use dry powder, AFFF, alcohol-resistant foam, water spray, carbon dioxide
5.6	Firefighting Procedures: Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

6. SPILLS & LEAKS



SAFETY DATA SHEET

HORNADY® One Shot® Sonic Clean™
Solution- Gun Parts Formula

Prepared to OSHA GHS Standards

SDS Revision: 1.0

SDS Revision Date: 6/15/2015

6.1	Personal Protective Measures: Keep unprotected personnel away. Remove all ignition sources. Filter respirator for organic vapors.
6.2	Environmental Precautions: Keep from entering storm sewers and ditches which lead to waterways.
6.3	Containment and Clean-Up Measures: Stop spill at source. Dike and contain. Sweep spilled material into dry, sealable containers. If appropriate, moisten first to prevent dusting. Absorb remaining liquid in sand or inert absorbent. Remove to a safe place.

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: Isolate from oxidizers, heat, and open flame. Use only with adequate ventilation. Wear standard goggles or face shield. Consult safety equipment supplier. Wear gloves, apron, and footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, braze, or weld. Empty container is very hazardous. Continue all label precautions. To minimize static discharge when transferring, ensure electrical continuity by bonding and grounding all equipment. Use an inlet line diameter of at least 3.5 inches (8.9 centimeters) with a maximum flow rate of 1 meter/second. Keep in fireproof surroundings. Keep separated from strong oxidants, strong acids. Keep dry. Store in an area without a drain or sewer access. Do not store above 49°C (120°F). Keep container tightly closed and upright when not in use to prevent leakage.
7.3	Special Precautions: None.

8. EXPOSURE CONTROL & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls: General mechanical ventilation and local exhaust is required for use with this product.
8.2	Respiratory Protection: A respiratory protection program that meets ANSI Z86.2 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:	N/A
9.2	Boiling Point:	100°C (212°F)
9.3	Melting Point:	N/A
9.4	Evaporation Rate:	N/A
9.5	Vapor Pressure @ 20 °C:	17.3
	Vapor Density (air=1)	0.743
	Specific Gravity (water=1)	0.983
	Pounds/Gallons	8.190
9.6	Molecular Weight:	N/A
	VOC's (>0.44 lbs/sq in)	0.0 Vol% / 0.0 g/L / 0.000 lbs/Gal
	Total VOC's (TVOC)	11.7 Vol% / 102.5 g/L / 0.8 lbs/Gal
	Nonexempt VOC's (CVOC)	7.7 Vol% / 69.0 g/L / 0.5 lbs/Gal
	Hazardous Air Pollutants (HAPS)	0.85 Wt% / 7.9 g/L / 0.0 lbs/Gal
	Nonexempt VOC Partial Pressure (., of Hg @ 20 C)	0.066
9.7	Appearance & Color:	Liquid, Water-White to translucent gold



SAFETY DATA SHEET

HORNADY® One Shot® Sonic Clean™
Solution- Gun Parts Formula

Prepared to OSHA GHS Standards

SDS Revision: 1.0

SDS Revision Date: 6/15/2015

9.8	Odor Threshold:	Amine
9.9	Solubility:	Appreciable
9.10	pH:	N/A
9.11	Viscosity:	N/A
9.12	Coefficient oil/water Distribution:	N/A
9.13	Additional Information:	None

10. STABILITY & REACTIVITY

10.1	Stability: Stable under normal conditions of temperature and pressure.	
10.2	Decomposition Products: Carbon dioxide, carbon monoxide, nitrogen oxide vapors from burning.	
10.3	Polymerization: Will not occur.	
10.4	Conditions to Avoid: Isolate from oxidizers, heat, and open flame	
10.5	Incompatible Substance: Strong oxidizing agents	

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data:	
11.2	Acute Toxicity: <u>Eye & Skin Contact</u> - Primary irritation to skin, defatting, dermatitis. Absorption thru skin increases exposure. Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause eye irritation. Was thoroughly after handling. <u>Inhalation</u> - Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. <u>Swallowing</u> - Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea. The symptoms of chemical pneumonitis may not show up for a few days.	
11.3	Chronic Toxicity: Persons with severe skin, liver or kidney problems should avoid use. <u>Cancer, Reproductive & Other Chronic Hazards</u> - This product has the following carcinogens listed by IARC, NTP, NIOSH, OSHA, or ACGIH, as of this date, greater or equal to 0.1%: DIETHANILAMINE- IARC possibly carcinogenic to humans	
11.4	Suspected Carcinogen: Yes- This product has the following carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%: Diethanolamine- IARC possibly carcinogenic to humans (group 2B)	
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 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	



SAFETY DATA SHEET

HORNADY® One Shot® Sonic Clean™
Solution- Gun Parts Formula

Prepared to OSHA GHS Standards

SDS Revision: 1.0

SDS Revision Date: 6/15/2015

11.8	Medical Recommendations: Treat symptomatically
12. ECOLOGICAL INFORMATION	
12.1	Degradability: This product is partially biodegradable.
12.2	Effect on Plants & Animals: No aquatic information is available on this product. The substance is very toxic to aquatic organisms. Bioaccumulation of this chemical may occur in aquatic animals
12.3	Mobility in Soil: This material is a mobile liquid

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORTATION INFORMATION

14.1	49 CFR (GND): None
14.2	IATA (AIR): None
14.3	IMGD (OCN): None
14.4	TDGR (Canadian GND): None
14.5	ADR/RID (EU): None
14.6	MEXICO (SCT): None

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements: This product contains Diethanolamine, 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): Diethanolamine: 100lbs
15.5	International Regulations: The components of this product are listed on the chemical inventories of the following countries: Australia, Canada, China, Europe (EINCES), Japan, Korea, United Kingdom
15.6	Other Canadian Regulations: B3: Combustible Liquid D28: Irritating skin/ Eyes
15.7	Proposition 65: This product contains the following chemical known to the State of California to cause cancer: Diethanolamine
15.8	67/548/EEC (European Union) and CLP/GHS (1272/2008/EC) Requirements:



SAFETY DATA SHEET

HORNADY® One Shot® Sonic Clean™
Solution- Gun Parts Formula

Prepared to OSHA GHS Standards

SDS Revision: 1.0

SDS Revision Date: 6/15/2015

16. OTHER INFORMATION

16.1	Other Information: Hazardous Material Information System (HMIS) Health-2 Fire-1 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