

**Remington® Rem® Action Cleaner****1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Remington® Rem® Action Cleaner  
**Recommended Use:** Firearm Cleaner (not for incidental food contact or medical purposes)  
**Distributor:** Ammunition Operations LLC  
 2592 AR Hwy 15N  
 Lonoke, AR 72086, USA  
**Telephone:** 1-800-243-9700  
**Emergency Telephone:** 1-800-424-9300 (CHEMTREC, 24 hours, Washington, D.C. USA)  
 (Transportation incidents only)

**2. HAZARDS IDENTIFICATION**

**Classification:** Considered hazardous.  
 Flammable liquid. 2  
 Skin and eye irritant. 2  
 Respiratory sensitizer. 1B  
**Labeling:** Symbol:



Signal Word: Danger!

Hazard statements:

Aspiration hazard, may be harmful if swallowed and enters airways  
 May cause central nervous system effects  
 May be harmful if swallowed  
 May cause eye irritation  
 May cause skin irritation  
 Flammable, will burn if involved in a fire

**Precautionary Statements:**

Use personal protective equipment as required. Wear safety glasses and gloves. Keep away from heat, sparks, flame, and hot surfaces. Do not smoke while using.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Chemical Identity:** Naphtha (petroleum), hydrotreated light, 100%  
**Common Name:** Petroleum Naphtha  
**CAS Number:** 64742-49-0  
**Impurities:** Not applicable

**4. FIRST AID MEASURES**

**Eye Contact:** Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention. Obtain medical attention.  
**Skin Contact:** Wash affected area with soap and water. If signs/symptoms persist, get medical attention. No need for first aid is anticipated.  
**Inhalation:** If signs/symptoms develop, remove person to fresh air. If signs/symptoms persist, get medical attention.  
**Ingestion:** If swallowed, do not induce vomiting. If irritation or discomfort occurs, obtain medical assistance.

**5. FIRE FIGHTING MEASURES**

**Autoignition Temperature:** 223°C  
**Flash point:** -4°C  
**Flammable Limits (LEL)** 1.05%

**Remington® Rem® Action Cleaner****Flammable Limits (UEL)** 6.7%**Suitable Extinguishing Media:** On large fires used dry chemical, foam, or water spray. On small fires use carbon dioxide, dry chemical, or alcohol resistant foam. Water can be used to cool fire exposed containers.**Unsuitable Extinguishing Media:** Water with full jet.**Specific hazards in case of fire:** Decomposes on heating and produces incompletely burned carbon compounds and aldehydes. Avoid reaction with oxidizers.**Special protective equipment and precautions for fire fighters:**

No acute hazard. Move container from fire area, if possible. Avoid breathing vapors or dusts. Keep upwind. Use full firefighting gear (bunker gear). Any supplied-air respirator with full face piece and operated in a pressure-demand or other positive pressure mode in combination with a separate escape air supply. Use any self-contained breathing apparatus with a full-face piece.

Alert fire brigade and indicate hazard location. Wear breathing apparatus plus protective clothing. Cool fire exposed containers with water spray from a protected location. Do not approach containers suspected to be hot. If safe to do so, remove containers from path of fire.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions:** Use appropriate personal protection. (See section 8.)**Environmental precautions:** For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.**Methods for material containment and cleaning up:** Observe precautions from other sections. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with an appropriate solvent. Seal the container.**7. HANDLING AND STORAGE****Precautions for safe handling:** Avoid contact with skin, inhalation of mist, or ingestion. See section 8 for personal protection equipment. Practice good personal hygiene to prevent accidental ingestion after handling. Properly dispose of clothing that cannot be decontaminated. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or ground procedures.**Conditions for safe storage, including any incompatibilities:** Store away from oxidizing materials. Store product in a closed container located in a dry area. Do not store in open, inadequate, or mislabeled packaging. Check that containers are clearly labeled. Use metal cans, metal drums, plastic, or lined fiber containers. Keep away from heat and flame.**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control Parameters:** ACGIH Exposure Limits: TLV-TWA 400 ppm.**Engineering Controls:** The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Adequate ventilation should be provided so that exposure limits are not exceeded. Use of explosion proof ventilation is recommended.**Personal Protective Equipment (PPE):****Eyes:** Safety glasses recommended.**Skin:** Impermeable gloves should be worn. Product is compatible with most elastomers.**Inhalation:** No respiratory protection required under most conditions. If concentrations exceed exposure limits, approved respiratory equipment must be used.**9. CHEMICAL AND PHYSICAL PROPERTIES****Physical state:** Liquid**Color:** ..... Clear**Odor:** ..... Solvent**Odor Threshold:** ..... Not available**pH Value:** ..... Not applicable**Melting Point:** ..... Not applicable**Freezing Point:** ..... Not determined**Initial Boiling Point:** ..... 93°C**Flash Point:** ..... -4°C PMCC

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Evaporation rate: ..... Not available  
Flammability (solid, gas): ..... Not applicable  
Flammable limits (approx. volume % in air): .... LEL: 1.05 UEL: 6.7  
Vapor pressure: ..... <0.01 mmHg at 20°C  
Vapor density: ..... >1 (@ 101 kPa for petroleum naphtha)  
Solubility: ..... <0.1% at 20°C  
Partition coefficient: ..... Not available  
Auto-ignition temperature: ..... 223°C  
Decomposition temperature: ..... Not available

**10. STABILITY AND REACTIVITY**

**Chemical stability:** Stable under ambient temperatures and pressures  
**Possibility of hazardous reactions:** Can react with strong oxidizers. Other hazardous reactions have not been identified. Otherwise will not react or polymerize.  
**Conditions to avoid:** No specific conditions to avoid have been identified.  
**Materials to avoid:** Oxidizers.  
**Hazardous decomposition products:** Decomposes on heating and produces incompletely burned carbon compounds.

**11. TOXICOLOGICAL INFORMATION**

- (a) **acute toxicity** Estimate: calculated oral > 5,000 mg/kg; dermal > 3,000 mg/kg; Inhalation 103 g/m<sup>3</sup> 4h
- (b) **skin corrosion/irritation** Can cause skin irritation
- (c) **serious eye damage/irritation** Can cause eye irritation
- (d) **respiratory or skin sensitization** Respiratory sensitizer
- (e) **germ-cell mutagenicity** Not a germ cell mutagen.
- (f) **carcinogenicity** Not a carcinogen.
- (g) **reproductive toxicity** Not a reproductive toxicant.
- (h) **aspiration hazard** Aspiration hazard, may be harmful if swallowed and enters airways.

**12. ECOLOGICAL INFORMATION**

**Toxicity:**  
The ecological effects are not established for this mixture. Highly recommended that material be prevented from entering waterways and soil.

**13. DISPOSAL PROCEDURES**

**Waste treatment methods:** Waste (substance and container material) shall be recycled/recovered or disposed of as applicable and in accordance with community (EU) and local legislation. Recycle wherever possible. Consult state land waste management authority for disposal. Bury at an approved site. Recycle containers if possible or dispose of in an authorized landfill.

**According to the European Waste Catalogue,** Waste Codes are not product specific but application specific. Waste Codes should be assigned by the user based on the application in which the product is used.

**For USA Disposal:** Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

**14. TRANSPORT INFORMATION**

**UN Number:** 3295  
**UN Proper Shipping Name:** Hydrocarbons, Liquid  
**Class or Type:** Flammable Liquid Class 3

**15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the mixture:**

**Worldwide Chemical Inventories and lists:** MoS<sub>2</sub> is not a SEVESO substance, not an ozone-depleting substance and not a persistent organic pollutant.

**Other regulatory information:** Germany (base on read across) Water Hazard class, WGK = 1 (low hazard to water)

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**Chemical safety assessment:** MoS<sub>2</sub> is REACH exempt as per Annex V and registration is not required.

**Other Information:****U. S. Regulatory information**

TSCA Inventory Status: ..... Y or exempt

CEPA Inventory Status: ..... Y or exempt

TSCA 12 (b) Export Notification: ..... Not listed

CERCLA Section 103 (40 CFR 302.4): ..... N

SARA Section 302 (40 CFR 355.30): ..... N

SARA Section 304 (40 CFR 355.40): ..... N

SARA Section 313 (40 CFR 372.65): ..... N

OSHA Process Safety (29 CFR 1910.119): ..... N

SARA Hazard Categories, SARA Sections 311/312 (40 CFR 370.21) –

Acute Hazard: ..... Y

Chronic Hazard: ..... Y

Fire Hazard: ..... N

Reactivity Hazard: ..... N

Sudden Release Hazard: ..... N

**State Regulations:** This material is considered hazardous according to the Classification of Chemicals based on Globally Harmonized System of Classification and Labelling of Chemicals (GHS) (JIS Z 7252-2009).

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**Note** – There are no known safety, health or environmental restrictions or prohibitions in any country where this product is produced, imported, or marketed.

**16. OTHER INFORMATION**

NFPA Hazard Classification:

Health: 1

Flammability: 3

Reactivity: 0

Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency personnel to address the hazards that are presented by short-term, acute exposure to material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

HMIS Hazard Classification:

Health: 1

Flammability: 3

Reactivity: 0

Protection: B (See PPE section)

Hazardous Material Identification System (HMIS) hazard ratings are designed to inform employees of chemical hazards in the workplace. The ratings are based on inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations.

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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