

White



SAFETY DATA SHEET

Grenade, White Smoke

DOC NO: SDS025
DATE: 11/20/2015
REV: 000
Prepared by: 80012

1. Identification

EMERGENCY TELEPHONE: CHEMTREC (800-474-9300)

Manufacturer:

AMTEC Less-Lethal Systems (ALS)
Address: 4700 Providence Road, Perry FL 32347
Phone: (850) 223-4066

Part Numbers:

ALSG972W Continuous Discharge Grenade, White Smoke
ALSG978W Pocket Smoke Grenade, White Smoke
ALSG275W Handball Grenade, White Smoke
ALSG2978W Baffled Triple Chamber Grenade, White Smoke
ALSG973W Triple Action Grenade, White Smoke

2. Hazards Information:

These munitions do not expose the user to the individual chemicals within the device.

WARNING!!



Hazard Statements: H204, H303, H313, H317, H320, H333, H335
Precautionary Statements: P202, P210, P403+P233

Other Hazards Not Contributing to the Classification:

Care should be taken in the cleaning of range facilities to minimize the exposure potential hazards. Persons engaged in these activities should wear protective clothing with an appropriate respirator.

Accidental Injury From Firing munition:

To avoid serious injury, use munition only in good condition. If the munition fails to fire, a delayed firing may occur. Wait 10 minutes, approach with caution.

3. Composition/Information on Ingredients:

| Hazardous Components | OSHA PEL | ACGIH TLV | Approximate Percentage | CAS Number |
|----------------------|----------|-----------|------------------------|------------|
| M201A1 Delay Fuse | NA | NA | 0-10 | NA |
| Ignition Mixture | NA | NA | 0-10 | NA |
| Potassium Nitrate | NA | NA | 0-20 | 7757-79-1 |
| Silicon | 15 mg/m3 | 10 mg/m3 | 0-20 | 7440-21-3 |
| Charcoal | NA | NA | 0-20 | 1333-86-4 |
| Nitrocellulose | NA | NA | 0-20 | 9004-70-0 |
| White Smoke Mixture | NA | NA | 0-75 | NA |
| Terephthalic Acid | 5mg/m3 | 5mg/m3 | 0-40 | 120-61-6 |
| Potassium Chlorate | NA | 5mg/m3 | 0-30 | 3811-04-9 |
| Sucrose | 15mg/m3 | 10mg/m3 | 0-30 | 57-50-1 |
| Magnesium Carbonate | 15mg/m3 | 10mg/m3 | 0-30 | 546-93-0 |
| Nitrocellulose | NA | NA | 0-10 | 9004-70-0 |



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4. First Aid Measures:

Description of First Aid Measures

General

Never give anything by mouth to an unconscious person.
If you feel unwell, seek medical attention.

Inhalation

When symptoms occur: go into fresh air and ventilate suspected area.
If not breathing give CPR.

Skin Contact

Remove contaminated clothing.
Wash with plenty of soap and water.
If skin irritation or rash occurs: Seek medical attention.

Ingestion

Rinse mouth.
Do NOT induce vomiting.
Seek medical attention.

5. Fire Fighting Measures

Extinguishing Media

Suitable Extinguishing Media

Fight fire with any extinguishing media and use normal precautions from a reasonable distance.

Unsuitable Extinguishing Media

Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazards

Flammable, burns at high temperatures.

Explosion Hazard

Explosive effects are largely confined to the package, and no projection of fragments of appreciable size or range is to be expected.

Do not expose to heat above 200 °C (392 °F) or ignition source.

Reactivity

Hazardous reactions are unlikely to occur under normal circumstances.

Firefighting

Precautionary

Do not breathe fumes from fires or vapors from decomposition. Exercise caution when fighting any chemical fire. If product is confined, there is a greater risk for injury from projectiles.

Instructions

In case of fire: Evacuate area. Use water spray or fog for cooling exposed containers.

Protection

Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures

Emergency Procedures

General Measures

Avoid all unnecessary exposure.
Evacuate personnel.
Restrict access to emergency personnel or Hazmat clean up personnel.
Use appropriate personal protection equipment (PPE) see section 8.

Emergency Procedures:

Eliminate ignition sources within area.
Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

For Containment

Dry sweeping can contain spilled product. Use only non-sparking tools.

Methods for Cleaning Up

Clear up spills immediately and dispose of waste safely.
Dispose of contents/container according to local, regional, national, and international regulations.
See section 13 Disposal Considerations.

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7. Handling and Storage

Precautions for Safe Handling

Remove munition from service if any of the following conditions have occurred:
Corrosion, physical damage, exposure to oil or spray type lubricants.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety procedures.
Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking, or going to bathroom and again when leaving work.
Contaminated work clothing should not be allowed out of the workplace. Wash or discard contaminated clothing before reuse.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures
Store as defined in the Explosives Act of the Bureau of Alcohol, Tobacco and Firearms regulations contained in 27 CFR Part 555. Comply with applicable local regulations.

Storage Conditions

Store in a dry, cool, and well-ventilated area.
Keep/Store away from heat sources, ignition sources, and incompatible materials.
Keep container closed when not in use.

Incompatible Materials

Strong acids, strong bases, strong oxidizers.

Special Rules on Packaging

Keep in original container until use.

8. Exposure Controls / Personal Protection

Appropriate Engineering Controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Ensure adequate ventilation, especially in confined areas.
Ensure all national/local codes and regulations are observed.

Personal Protective Equipment:

Skin and Body
Chemically resistant materials and fabrics.

Hand Protection
Wear chemically resistant protective gloves.

Eye Protection
In case of projectile hazard: Safety glasses. Face shield.

Respiratory Protection
Use a NIOSH-approved full face respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Environmental Exposure Controls
Follow all local, regional, national, and international regulations.

Consumer Exposure Controls:
Do not eat, drink or smoke during use.
If noise levels exceed OSHA limits while firing this product, use hearing protection in accordance with OSHA's Hearing Conservation Standard, 29 CFR 1910.95.

9. Physical and Chemical Properties

These hand deployed grenades do not expose the user to the individual chemicals within the device.

Explosive properties
Fire or projection hazard

Explosion Data
Sensitive to mechanical impact
Sensitivity to Static Discharge

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10. Stability and Reactivity

Reactivity

Hazardous reactions are unlikely to occur under normal circumstances.

Chemical Stability

Stable under recommended handling and storage conditions (see section 7). However, because of the design of munition and its components, partial detonation upon impact or intense heat may occur.

Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

Conditions to Avoid:

Extremely high or low temperatures. Heat, Sparks, and Open flame.
Incompatible Materials: Strong acids, Strong bases, Strong oxidizers.

11. Toxicological Information

Inhalation:

None expected under normal conditions of use.

Skin Contact:

May cause an allergic skin reaction.

Eye Contact:

None expected under normal conditions of use.

Ingestion:

Ingestion is likely to be harmful or have adverse effects.

12. Ecological Information

Toxicity

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

13. Disposal Considerations

Waste Disposal Recommendations

Destroy and dispose of in accordance with applicable local, state, provincial, territorial, federal and international regulations.
Comply with regulations as defined in the Explosives Act provisions of the Bureau of Alcohol, Tobacco and Firearms regulations contained in 27 CFR part 555 or local regulations.

14. Transport Information

| | |
|---------------------|--|
| UN Number: | UN303 Ammunition, Smoke |
| DOT Hazard class: | 1.4G  |
| Package Type: | 4G Cardboard Box |
| Package Dimensions: | 14 in x 14 in x 8 in (356 mm x 356 mm x 203 mm) |



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15. Regulatory Information

| NAME | Section 302 (EHS) TPQ | Section 304 EHS RQ | CERCLA RQ | Section 313 | RCRA code | CAA 112®/TQ |
|---------------------|--------------------------|-----------------------|--------------|----------------|--------------|----------------|
| Silicon | NA | NA | NA | NA | NA | NA |
| Potassium Nitrate | NA | NA | NA | NA | NA | NA |
| Nitrocellulose | NA | NA | NA | NA | NA | NA |
| Charcoal | NA | NA | NA | NA | NA | NA |
| Magnesium Carbonate | NA | NA | NA | NA | NA | NA |
| Sucrose | NA | NA | NA | NA | NA | NA |
| Potassium Chlorate | NA | NA | NA | NA | NA | NA |
| Terephthalic Acid | NA | NA | NA | NA | NA | NA |

16. Other Information

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Disclaimer

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