

SECTION 1: IDENTIFICATION OF ITEM AND SOURCE

PRODUCT IDENTIFIER: CIL Mil-Det / OMNI Fuse Assy

Other Common Names and Synonyms: Fuse Cap Assembly, Mil-Dets, M14's, M18's

Intended Use and Restrictions: As an explosive for use only by persons legally qualified and trained in its use.

Manufacturers / Distributors Details:

OMNI DISTRIBUTION INC.
MARION AR 72364 USA
870-702-7003
www.omniexplosives.com

General Product Image



Emergency Phone In Case of Emergency Call: Chem-Tel at
800-255-3924 or 813-248-0573
Contract MIS0003367

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Chemical, Substance or Mixture - Hazard Statements

Physical Hazards:

H201 - Explosive; mass explosive hazard. Division 1.1, Division 1.4
H228 - Flammable solid. Hazard Category 2. Note hazardous materials are fully sealed within fuse and metal tube.

Health Hazards:

H301 - Toxic if swallowed
H311 - Toxic in contact with skin
H332 - Harmful if inhaled
H373 - May cause damage to organs (state all organs affected, if known) through prolonged or repeated
H350 - May cause cancer. Hazard Category 1B
H370 - Causes damage to organs if blast injury occurs.

Label Elements: Signal Word: DANGER

Hazard Pictograms:



Precautionary Statements (GHS Annex 2, P101 - P502):

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P250 - Do not subject to grinding/shock/.../friction.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P370+P372+P373 - In case of fire: Extreme risk of explosion. Evacuate Area. DO NOT FIGHT FIRE NEAR EXPLOSIVES.
P401+P403+P405 - Store locked up in a ventilated space in accordance with all applicable regulations.
P501 - Dispose of contents/container in accordance with all applicable regulations.
P240 - Ground/bond container and receiving equipment.
P280 - Wear appropriate body / face protection.

Hazards not otherwise classified:

WARNING: EXPLOSIVES by definition EXPLODE. EXPLOSIONS can and do KILL people everyday. Safe use of this product will drastically reduce risk of unexpected detonations. Do Not use this product if you have not received appropriate training. Do not use this product if it looks "BAD." If you are scared to use this product then DON'T use it. Any questions should be addressed to a trained supervisor and or the manufacturer before using. Only use this product in accordance with applicable regulations. Explosives users must remember that he is dealing with a powerful force. Use safety measures and the force will be with you. If you fail to use proper safety measures and planning then the force will be against you.

Unknown Acute Toxicity:

Not Available

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Dangerous Components and other ingredients:

Green Safety Fuse with Core of Black Powder Containing: ~5.5 grams/meter

Charcoal, CAS No. 16291-96-6 8-20%, Sulfur, CAS No. 7704-34-9 8-20%

Potassium Nitrate, Cas No. 7757-79-1 70-80%

Aluminum Detonator Shell Containing: ~900 mg explosive mixture

PETN, Pentaerythrite. - CAS No. 78-11-5, - 60-80%(w/w). TNT. 2,4,6-Trinitrotoluene. Cas No. 118-96-7 05-15%

Lead Azide, CAS No. 13424-46-9 1-5%(w/w)

SECTION 4: FIRST AID MEASURES

General: If you feel unwell seek medical treatment accordingly.

Inhalation: Avoid breathing smoke. Stay up wind. Wear mask if sensitive. Seek aid if necessary.

Skin: Burn and Fragment Danger. Wear Gloves and other protective clothing. See aid if necessary.

Eye: Fragment Danger. Wear face/eye protection. Seek emergency aid if accidental detonation occurs.

Ingestion: Not expected to be a hazard under normal conditions of use.

Most important symptoms / effect, acute and delayed:

Treat wounds immediately. Call 911 if accident occurs.

Indication of immediate medical attention and special treatment needed, if necessary:

If exposure makes you feel unwell, seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Special Notice for explosive events: DO NOT EVER FIGHT FIRES INVOLVING EXPLOSIVES!!

There is an extreme risk that explosives and the chemicals therein may catch fire and spontaneously detonate especially if confined.

Clear the area to a safe blast distance. Burning material may cause toxic vapors - stay upwind.

Consult the most recent Emergency Response Guidebook and the Institute of Makers of Explosives Safety Library.

Extinguishing Media

NONE. DO NOT FIGHT FIRES INVOLVING EXPLOSIVES.

Specific hazards arising from the chemical:

There is a very high risk of sympathetic detonation of explosives when fire is nearby.

Special protective actions for fire-fighters:

Immediately determine quantity of explosives. React accordingly. Assume the worst.

Fire Fighting Not Otherwise Specified

If you are untrained on explosive fires, evacuate area and back away at least 1/2 Mile.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures****General Measures:**

No Smoking. No open flames. No Sparks. Remove non-emergency persons from danger area. Ensure adequate ventilation. Emergency Personnel should use protective clothing and equipment. Protect from Heat. Isolate area and prevent entry.

Environmental Precautions:

Avoid Release to the environment. No special measures required.

Methods & Material for containment & clean up:

Pick Up Mechanically. Send for recovery or disposal in suitable receptacles. Dispose of unusable material according to section 13. Contact an expert or manufacturer for more details.

Accidental Release NOS

Consult the manufacturer.

SECTION 7: HANDLING AND STORAGE**Precautions for Safe Handling:**

Open packaging with care. Handle with care. Avoid dropping, impact, flames, etc. Use only in well ventilated areas. Avoid shock and friction. Be slow and methodical. Handle with sane hygiene methods.

Conditions for Safe Storage:

Store in a cool dry place away from threat of flood, excessive heat, excessive cold. Storage area should be secure from Theft and Monitored regularly. Do not store near food or children. Refer to local regulatory requirements. Avoid incompatible material

Handling and Storage NOS

Handle with care. Store according to all applicable regulations. Avoid temperature cycling (cold/hot/cold/hot=bad = failures)

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**Control Parameters:**

Does not contain any relevant quantities of materials with critical values that must be monitored at the workplace. Exposure - Use PPE. Use Hygiene. Wash Hands. Do not touch eyes, ears, nose or mouth.

Engineering Controls:

Product should be used by trained, skilled person under strictly controlled conditions. Wear protective equipment as necessary. Do not use sparking tools.

Protection Measures:

Gloves are recommended but not required. Glasses are recommended. Respiratory protection should be recommended if sensitivity is present or at high risk for inhalation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Olive drab green flexible tube filled with black power and an aluminum shell crimped on one end.

Odor When fuse is burning very sulfurous. Otherwise none.

Solubility(ies) Not in water

Odor Threshold	N/A	Not available	Vapor Pressure
pH	Not relevant	N/A	Vapor Density
Melting/Freezing Point	Melting >200C	Not relevant	Relative Density
Flash Point	Not Available	Not Available	Partition coefficient: n-octanol/water
Evaporation Rate	Not relevant	Not Available	Auto-ignition temperature
Flammability	Not available	>200C	Decomposition temperature
Upper/Lower Flammability or Explosive Limits	Not available	Not relevant	Viscosity

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable and Non-reactive under normal conditions of use and handling.

Chemical Stability

Stable and Non-reactive under normal conditions of use and handling.

Possibility of Hazardous Reactions

Polymerization will not occur.

Conditions to Avoid

Open flame. Spark. Static. Elevated Temperatures.

Incompatible Materials

Strong Acids and other known incompatibilities.

Hazardous Decomposition Products

CO, CO2, NOx and other Typical combustion gases

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity	Not Classified
LD50 and LC50 Data	Not available
Skin Effects	Not a known skin irritant.
Eye Effects	Smoke May cause serious eye irritation but eye exposure is unlikely.
Respiratory Effects	Smoke may cause irritation. Avoid breathing fumes.
Germ Cell Mutagenicity	Not classified.
Teratogenicity	Not classified.
Carcinogenicity	Not classified but suspected.
Reproductive Toxicity	Not classified.
Specific Target Organ Toxicity Single Exposure	No relevant data available. Danger of Blast injury.
Specific Target Organ Toxicity Repeated Exposure	No data available. Danger of Blast injury.
Aspiration Hazard	Not classified.
Chronic Symptoms	Not classified. None known.
Toxicological Effects NOS	None

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Aquatic and Terrestrial: This is a sealed unit that does not expose its contents under normal conditions.

Persistence and degradability: No further info available.

Bioaccumulative potential: Not expected. No further info available.

Mobility in soil: No further info available.

Other adverse

Ecological effects: This is a sealed unit that does not expose it's contents. If burned in water, Slightly hazardous in water do not allow product to enter waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Considerations:

DO NOT DISCARD BOXES WITH HAZARDOUS MARKINGS TO LANDFILLS. Disposal must be in accordance with relevant regulations. Consult experts for disposal of damaged products.

SECTION 14: TRANSPORTATION INFORMATION

DOT Primary	UN0361, Detonator Assemblies, Non-electric, 1.4B, 4G-Box
DOT Secondary	EX-2002060293, EX-9512015, when removed from original packagings, then 1.1B
DOT Notes	Do not ship this product if you are not a trained and qualified hazmat shipper.
IATA	Allowed. refer to most recent IATA publication
IMDG	Allowed. Refer to 49CFR Hazardous Material Table



Transportation NOS

Item must be shipped in original packaging. Once removed from original packaging, item is considered a mass detonating explosive and the category changes to a 1.1B

SECTION 15: REGULATORY INFORMATION

SARA	Fire Hazard.
TSCA	At least one ingredient is on the US TSCA.
EPA	None
BATF	YES. Refer to ATF Orange Book
NRCAN	YES. Explosives in Canada are regulated by NRCAN
DSL	YES. At least one ingredient is listed on the Canada DSL
DHS CFATS	NO. Refer to 6CFR Part 27 Appendix A
Regulations NOS	Refer to all applicable authorities.

SECTION 16: OTHER INFORMATION / DATES / REVISIONS

This SDS was prepared in accordance with US 29CFR1900.1200 v2013

SDS CODE	Initial Issue Date	Revision Date
FCA-1	9/21/2015	8/9/2016

SDS Significant Changes on this version

None

SDS Notes Abbreviations used: DOT=US Department of Transportation. NOS=Not Otherwise Specified

Preparation of this document by:

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END OF SDS