

MSDS Control Group Olin Brass and Winchester, Inc.

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1 Identification of the substance / preparation and of the company

Product: CARTRIDGES FOR POWER DEVICES
Registration number: not applicable
Use: See product designation
Identified use: none
Method of operation: See product information.
Company: MSDS Control Group Olin Brass and Winchester, Inc.
 427 North Shamrock St.
 East Alton, IL 62024-1197 / UNITED STATES OF AMERICA
Phone: +1 618-258-3534
Fax: +1 618-258-3393
Homepage: www.winchester.com
E-mail: 8gauge@olin.com
Emergency phone: +1 618-258-3534 (8:00-16:00)
Responsible: Simonavicius@chemiebuero.de

2 Hazards identification

Physico-chemical hazards: See chapter 14.
Human health dangers: The contained dangerous materials are not freely available with foreseeable use.
Environmental hazards: The contained dangerous materials are not freely available with foreseeable use.
Other hazards: none
Hazard symbols: not applicable
R-phrases: none

3 Composition / Information on ingredients

15 - 32%	Zinc powder - zinc dust (pyrophoric)
F-N, R15-17-50/53 CAS: 7440-66-6, EINECS/ELINCS: 231-175-3, EU-INDEX: 030-001-00-1, ECBnr:	
7 - 13%	Nitrocellulose
E, R2 CAS: 9004-70-0, EINECS/ELINCS: , EU-INDEX: , ECBnr:	
0,5 - 2%	Glycerol trinitrate
E-T+N, R3-26/27/28-33-51/53 CAS: 55-63-0, EINECS/ELINCS: 200-240-8, EU-INDEX: 603-034-00-X, ECBnr:	
0,5 - 2%	Dibutyl phthalate
T-N, R61-62-50 CAS: 84-74-2, EINECS/ELINCS: 201-557-4, EU-INDEX: 607-318-00-4, ECBnr:	
0,1- 1%	Lead 2,4,6-trinitro-m-phenylene dioxide
E-T-N, R3-20/22-33-50/53-61-62 CAS: 15245-44-0, EINECS/ELINCS: 239-290-0, EU-INDEX: 609-019-00-4, ECBnr:	
50 - < 100%	Copper
CAS: 7440-50-8, EINECS/ELINCS: 231-159-6, EU-INDEX: , ECBnr:	

Comment on component parts: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

General information: not applicable
Inhalation: Ensure supply of fresh air.
 In the event of symptoms seek for medical treatment.
Skin contact: In case of contact with skin wash off immediately with soap and water.
 In the event of symptoms seek for medical treatment.
Eye contact: In case of contact with eyes rinse thoroughly and immediately with plenty of water and seek medical advice.
Ingestion: Consult a doctor immediately.
Advice to doctor: Treat symptomatically.

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5 Fire-fighting measures

Suitable extinguishing media: foam, dry powder, water spray jet, carbon dioxide
Extinguishing media that must not be used:
full water jet
Special exposure hazards arising from the substance or preparation itself or combustion products:
Unknown risk of formation of toxic pyrolysis products.
Special protective equipment for firefighters:
Use self-contained breathing apparatus.
Additional information:
Cool containers at risk with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

6 Accidental release measures

Personal precautions: Remove persons to safety.
Some risk of slipping due to spillage of product.
Environmental precautions: Do not discharge into the drains/surface waters/groundwater.
Methods for cleaning up: Take up mechanically.
Dispose of absorbed material in accordance within the regulations.

7 Handling and storage

Advice on safe handling: No special measures necessary if used correctly.
Use only in well-ventilated areas.
Advice on protection against fire and explosion:
Keep away from all sources of ignition - Refrain from smoking.
Requirements for storage rooms and vessels:
Keep only in original container.
Advice on storage compatibility: Do not store with combustible materials.
Do not store with oxidizing or self-igniting materials.
Further information on storage conditions:
Keep in a well-ventilated place.
Protect from heat/overheating.

8 Exposure controls / personal protection

Additional advice on system design:
Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored:

50 - < 100%	Copper, 1mg/m ³ *, General remarks: dust (0,2 fume) (as Cu)
0,5 - 2%	Dibutyl phthalate, 5mg/m ³ *,
0,5 - 2%	Glycerol trinitrate, 0,05ppm*, General remarks: ACGIH 2006

*** WEL: Workplace exposure limit**

Respiratory protection: not applicable
Hand protection: Leather gloves.
Eye protection: safety glasses
Skin protection: not applicable
General protective measures: not applicable
Hygiene measures: Do not eat, drink, smoke or take drugs at work.
Wash hands before breaks and after work.

Delimitation and monitoring of the environmental exposition:

not determinated

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9 Physical and chemical properties

Form:	Cylindrical brass cartridge
Color:	bronze colours
Odor:	odourless
pH-value:	not applicable
pH-value [1%]:	not applicable
Boiling point [°C]:	not applicable
Flash point [°C]:	not applicable
Flammability [°C]:	not applicable
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Oxidizing properties:	no
Vapour pressure [kPa]:	not applicable
Density [g/ml]:	not determined
Density at [°C]:	
Bulk density [kg/m³]:	not applicable
Solubility in water:	insoluble
Partition coefficient [n-octanol/water]:	not applicable
Viscosity:	not applicable
Relative vapour density determined in air:	not applicable
Evaporation speed:	not applicable
Melting point [°C]:	not determined
Autoignition temperature:	not applicable
Decomposition temperature:	not applicable

10 Stability and reactivity

Hazardous reactions:	not applicable
Hazardous decomposition products:	Toxic gases/vapours. Toxic metal compounds.

11 Toxicological information

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	Toxicological data are not available.

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12 Ecological information

Fish toxicity:	not determinated
Daphnia toxicity:	not determinated
Behaviour in environment compartments:	not determinated
Behaviour in sewage plant:	not determinated
Bacteria toxicity:	not determinated
Biological degradability:	not determinated
COD:	not determinated
BOD 5:	not determinated
AOX-advice:	not applicable
2006/11/EC:	yes
General information:	Ecological data are not available.

13 Disposal considerations

Product:	Dispose of as hazardous waste. Coordinate disposal with the authorities if necessary. Dispose of as hazardous waste.
Contaminated packaging:	Uncontaminated packaging may be taken for recycling.
Waste no. (recommended):	160401* waste ammunition

14 Transport information

Classification according to ADR:	UN 0323 CARTRIDGES, POWER DEVICE 1.4,
- Classification Code:	1.4S
- Label:	
- ADR Limited Quantities:	LQ0: 0kg
Classification according to IMDG:	UN 0323 CARTRIDGES, POWER DEVICE 1.4 S -
- EMS:	F-B, S-X
- Label:	
- IMDG Limited Quantities:	LQ: 0kg
Classification according to IATA:	UN 0323 CARTRIDGES, POWER DEVICE 1.4S
- Label:	

15 Regulatory information

Exposure scenario:	not determinated
Chemical safety report:	not determinated
Labelling:	This preparation is a product and therefore it does not require labelling according to EC directives/GefStoffV.
Hazard symbols:	not applicable
R-phrases:	none
S-phrases:	none
Special labelling:	none
Authorisation, TITEL VII:	not applicable
Restrictions, TITEL VIII:	not applicable
EEC-REGULATIONS:	1967/548 (2004/73, 29. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006.
TRANSPORT-REGULATIONS:	DOT-Classification, ADR (2007); IMDG-Code (33. Amdt.); IATA-DGR (2008).
NATIONAL REGULATIONS	EH40/2005 Workplace exposure limits with amendments October 2007.

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16 Other informations

- R-phrases (Chapter 03):**
- R 2: Risk of explosion by shock, friction, fire or other sources of ignition.
 - R 62: Possible risk of impaired fertility.
 - R 61: May cause harm to the unborn child.
 - R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - R 50: Very toxic to aquatic organisms.
 - R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - R 33: Danger of cumulative effects.
 - R 3: Extreme risk of explosion by shock, friction, fire or other sources of ignition.
 - R 20/22: Harmful by inhalation and if swallowed.
 - R 17: Spontaneously flammable in air.
 - R 15: Contact with water liberates extremely flammable gases.
 - R 26/27/28: Very toxic by inhalation, in contact with skin and if swallowed.

Observe employment restrictions for people:

- yes
- VOC (1999/13/CE):** 0%
- 2004/42/CE:** not applicable
- Customs Tariff:** not determinated