

# Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: January 08, 2021

## 1 Identification

- **Product identifier**
- **Trade name: Flamless Tri-Chamber OC Grenade**
- **Product code:** 1030 (1177120)
- **Recommended use and restriction on use**
- **Recommended use:** Crowd Control Device
- **Restrictions on use:** Contact manufacturer/supplier
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
Safariland, LLC  
13386 International Parkway  
Jacksonville, FL 32218  
Customer Care (800) 347-1200
- **Emergency telephone number:**  
ChemTel  
1-800-255-3924 (North America)  
+1 (813)248-0585 (International)



## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
Expl. 1.4 H204 Fire or projection hazard.  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Irrit. 2A H319 Causes serious eye irritation.  
STOT SE 3 H335 May cause respiratory irritation.
- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**  

GHS01 GHS07
- **Signal word:** Warning
- **Hazard statements:**  
H204 Fire or projection hazard.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.
- **Precautionary statements:**  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P250 Do not subject to grinding/shock/friction.  
P261 Avoid breathing dust.  
P264 Wash thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 If on skin: Wash with plenty of soap and water.

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P321	Specific treatment: Administer supplemental oxygen for respiratory distress as required..
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a poison center/doctor if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P380	In case of fire: Evacuate area.
P372	Explosion risk in case of fire.
P373	DO NOT fight fire when fire reaches explosives.
P374	Fight fire with normal precautions from a reasonable distance.
P401	Store in accordance with local/regional/national/international regulations.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = *2
FIRE	3	Fire = 3
REACTIVITY	2	Reactivity = 2

Warning: Contains lead salt(s). Long-term health hazard.

\* - Indicates a long term health hazard from repeated or prolonged exposures.

· **Other hazards**

· **Explosive Product Notice**

PREVENTION OF ACCIDENTS IN THE USE OF EXPLOSIVES - The prevention of accidents in the use of explosives is a result of careful planning and observance of the best known practices. The explosives user must remember that they are dealing with a powerful force and that various devices and methods have been developed to assist them in directing this force. They should realize that this force, if misdirected, may either kill or injure both themselves and their fellow workers.

WARNING - All explosives are dangerous and must be carefully handled and used following approved safety procedures either by or under the direction of competent, experienced persons in accordance with all applicable federal, state, and local laws, regulations, or ordinances. If you have any questions or doubts as to how to use any explosive product, DO NOT USE IT before consulting with your supervisor, or the manufacturer, if you do not have a supervisor. If your supervisor has any questions or doubts, they should consult the manufacturer before use.

## 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**

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100-21-0	Terephthalic acid	20-40%
9004-70-0	Nitrocellulose, colloided, granular ⚠ Expl. 1.1, H201	20-40%
3811-04-9	potassium chlorate ⚠ Ox. Sol. 1, H271 ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332	10-20%
57-50-1	Sucrose, pure Combustible Dust	10-20%
546-93-0	Magnesium carbonate	5-10%
404-86-4	Capsaicin ⚠ Acute Tox. 3, H301 ⚠ Eye Dam. 1, H318 ⚠ Skin Irrit. 2, H315; STOT SE 3, H335	5-10%
7757-79-1	Potassium nitrate ⚠ Ox. Sol. 2, H272	1-5%
7440-21-3	Silicon ⚠ Flam. Sol. 2, H228	1-5%
557-04-0	Magnesium stearate	1-5%
7429-90-5	Aluminium ⚠ Pyr. Sol. 1, H250; Water-react. 2, H261	1-5%
10294-40-3	Barium chromate ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330 ⚠ Resp. Sens. 1, H334; Muta. 1B, H340; Carc. 1A, H350; Repr. 2, H361; STOT RE 1, H372 ⚠ Skin Sens. 1, H317	<1.0%
7439-96-5	Manganese ⚠ Flam. Sol. 2, H228	<1.0%
7758-97-6	lead chromate ⚠ Carc. 1B, H350; Repr. 1A, H360; STOT RE 2, H373	<1.0%

· **Additional information:** For the wording of the listed Hazard Statements, refer to section 16.

## 4 First-aid measures

· **Description of first aid measures**

· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Supply fresh air.

Seek medical help for symptoms or if unconscious.

Provide oxygen treatment if affected person has difficulty breathing.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After skin contact:**

Immediately remove any clothing soiled by the product.

Wash with soap and water.

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- **After eye contact:**  
Remove contact lenses if worn.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Unlikely route of exposure.  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed:**  
Blast injury if mishandled.  
May cause respiratory irritation.  
Breathing difficulty  
Coughing  
Causes eye irritation.  
Causes skin irritation.
- **Danger:**  
Explosive crush or blast injury.  
Irritating to eyes, respiratory system and skin.
- **Indication of any immediate medical attention and special treatment needed:**  
If necessary oxygen respiration treatment.  
Product may produce physical injury if mishandled. Treatment of these injuries should be based on the blast and compression effects.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Flood area with water. If no water is available, carbon dioxide, dry chemical or earth may be used. If the fire reaches the cargo, withdraw and let fire burn.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.  
Fire or projection hazard.  
Contains oxidizing agent.
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information:**  
Cool endangered receptacles with water spray.  
Evacuate area and fight fire from from the upwind side.  
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.  
Eliminate all ignition sources if safe to do so.  
Flammability Classification: (defined by 29 CFR 1910.1200) Explosive. Can explode under fire conditions.  
Individual devices will randomly explode. Will not mass explode if multiple devices are involved. Burning material may produce toxic and irritating vapors. In unusual cases, shrapnel may be thrown from exploding devices under containment. See Emergency Response Guidebook for further information.

## 6 Accidental release measures

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- **Personal precautions, protective equipment and emergency procedures**

FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTEL AT 1-800-255-3924. Spills of this material should be handled carefully. Do not subject materials to mechanical shock or extreme heat. A spill of this material will normally not require emergency response team capabilities.

Isolate area and prevent access.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Remove persons from danger area.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

- **Environmental precautions**

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

- **Methods and material for containment and cleaning up**

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

Clean the affected area carefully; suitable cleaners are:

Warm water and cleansing agent.

Send for recovery or disposal in suitable receptacles.

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

- **Handling**

- **Precautions for safe handling:** Handle with care. Avoid jolting, friction and impact.

- **Information about protection against explosions and fires:**

Fire or projection hazard.

Contains oxidizing agent.

Keep respiratory protective device available.

Emergency cooling must be available in case of nearby fire.

- **Conditions for safe storage, including any incompatibilities**

- **Requirements to be met by storerooms and receptacles:**

Provide ventilation for receptacles.

Avoid storage near extreme heat, ignition sources or open flame.

- **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from flammable substances.

- **Further information about storage conditions:** None.

- **Specific end use(s)** No relevant information available.

## 8 Exposure controls/personal protection

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

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### 100-21-0 Terephthalic acid

TLV (USA)	Long-term value: 10 mg/m <sup>3</sup>
EL (Canada)	Long-term value: 10* 3** mg/m <sup>3</sup> *total dust; **respirable fraction
EV (Canada)	Long-term value: 10 mg/m <sup>3</sup>
LMPE (Mexico)	Long-term value: 10 mg/m <sup>3</sup>

### 57-50-1 Sucrose, pure

PEL (USA)	Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV (USA)	Long-term value: 10 mg/m <sup>3</sup>
EL (Canada)	Long-term value: 10* 3** mg/m <sup>3</sup> *total dust; **respirable fraction
EV (Canada)	Long-term value: 10 mg/m <sup>3</sup> total dust
LMPE (Mexico)	Long-term value: 10 mg/m <sup>3</sup> A4

### 546-93-0 Magnesium carbonate

PEL (USA)	Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV (USA)	TLV withdrawn
EL (Canada)	Long-term value: 10* 3** mg/m <sup>3</sup> *total dust, **respirable fraction
EV (Canada)	Long-term value: 10 mg/m <sup>3</sup> total dust
LMPE (Mexico)	Short-term value: 20 mg/m <sup>3</sup> Long-term value: 10 mg/m <sup>3</sup> (e)

### 7440-21-3 Silicon

PEL (USA)	Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV (USA)	TLV withdrawn
EL (Canada)	Long-term value: 10* 3** mg/m <sup>3</sup> *total dust; **respirable fraction
EV (Canada)	Long-term value: 10 mg/m <sup>3</sup> total dust
LMPE (Mexico)	Short-term value: 20 mg/m <sup>3</sup> Long-term value: 10 mg/m <sup>3</sup> (e)

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### 557-04-0 Magnesium stearate

TLV (USA)	Long-term value: 10* 3** mg/m <sup>3</sup> Fraction: *inhalable **respirable
EL (Canada)	Long-term value: 10 mg/m <sup>3</sup> except stearates of toxic metal
LMPE (Mexico)	Long-term value: 10 mg/m <sup>3</sup> A4

### 7429-90-5 Aluminium

PEL (USA)	Long-term value: 15*; 5** mg/m <sup>3</sup> *Total dust; ** Respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m <sup>3</sup> as Al*Total dust**Respirable/pyro powd./welding f.
TLV (USA)	Long-term value: 1* mg/m <sup>3</sup> as Al; *as respirable fraction
EL (Canada)	Long-term value: 1.0 mg/m <sup>3</sup> respirable, as Al
EV (Canada)	Long-term value: 5 mg/m <sup>3</sup> aluminium-containing (as aluminium)
LMPE (Mexico)	Long-term value: 1* mg/m <sup>3</sup> A4, *fracción respirable

### 10294-40-3 Barium chromate

PEL (USA)	Long-term value: 0.005* mg/m <sup>3</sup> Ceiling limit value: 0.1** mg/m <sup>3</sup> *as Cr(VI) **as CrO <sub>3</sub> ; see 29 CFR 1910.1026
REL (USA)	Long-term value: 0.0002 mg/m <sup>3</sup> as Cr; See Pocket Guide Apps. A and C
TLV (USA)	Short-term value: 0.0005 mg/m <sup>3</sup> Long-term value: 0.0002 mg/m <sup>3</sup> as Cr(VI); inhalable, DSEN, RSEN
EL (Canada)	Long-term value: 0.01 mg/m <sup>3</sup> as Cr; ACGIH A1, IARC 1; S(D), S(R)
LMPE (Mexico)	Long-term value: 0.01 mg/m <sup>3</sup> A1; como Cr

### 7439-96-5 Manganese

PEL (USA)	Ceiling limit value: 5 mg/m <sup>3</sup> as Mn
REL (USA)	Short-term value: 3 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup> fume, as Mn
TLV (USA)	Long-term value: 0.02* 0.1** mg/m <sup>3</sup> as Mn; *respirable **inhalable fraction
EL (Canada)	Long-term value: 0.2; 0.02* mg/m <sup>3</sup> as Mn; R, *respirable
EV (Canada)	Long-term value: 0.2 mg/m <sup>3</sup> as manganese

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LMPE (Mexico)	Long-term value: 0.2 mg/m <sup>3</sup> como Mn
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**7758-97-6 lead chromate**

PEL (USA)	Long-term value: 0.005* mg/m <sup>3</sup> Ceiling limit value: 0.1** mg/m <sup>3</sup> *as Cr(VI) **as CrO <sub>3</sub> ; see 29 CFR 1910.1026
REL (USA)	Long-term value: 0.0002 mg/m <sup>3</sup> as Cr; See Pocket Guide Apps. A and C
TLV (USA)	Short-term value: 0.0005* mg/m <sup>3</sup> Long-term value: 0.0002* mg/m <sup>3</sup> *as Cr(VI); inhalable fraction, DSEN, RSEN
EL (Canada)	Long-term value: 0.05* 0.012** mg/m <sup>3</sup> ACGIH A1, IARC 1, S(D);S(R);*as Pb;**as Cr
EV (Canada)	Long-term value: 0.012* 0.05** mg/m <sup>3</sup> *as Cr, **as Pb
LMPE (Mexico)	Long-term value: 0.012* 0.05** mg/m <sup>3</sup> *como Cr:A2,**como Pb: A2, IBE

**· Ingredients with biological limit values:**

**10294-40-3 Barium chromate**

BEI (USA)	25 µg/L Medium: urine Time: end of shift at end of workweek Parameter: Total chromium (fume)
	10 µg/L Medium: urine Time: increase during shift Parameter: Total chromium (fume)

**7758-97-6 lead chromate**

BEI (USA)	30 µg/100 ml Medium: blood Time: not critical Parameter: Lead
	10 µg/100 ml Medium: blood Time: not critical Parameter: Lead (women of child bearing potential)

**· Exposure controls**

**· General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.  
Do not inhale dust / smoke / mist.

**· Engineering controls:** Provide adequate ventilation.

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· **Breathing equipment:**

Suitable respiratory protective device recommended.

Wear positive pressure NIOSH or European EN149 vapor respirators when deploying product in large quantities.

· **Protection of hands:**



Protective gloves

Wear gloves when handling deployed rounds.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Safety glasses

· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment**

No relevant information available.

· **Risk management measures**

See Section 7 for additional information.

Organizational measures should be in place for all activities involving this product.

No relevant information available.

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **Appearance:**

· **Form:**

Solid metal container containing liquid and solid contents.

· **Color:**

According to product specification

· **Odor:**

Odorless

· **Odor threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Melting point/Melting range:**

Not determined.

· **Boiling point/Boiling range:**

Not determined.

· **Flash point:**

Not applicable.

· **Flammability (solid, gaseous):**

Not applicable.

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· <b>Auto-ignition temperature:</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Danger of explosion:</b>	Not determined.
· <b>Explosion limits</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Oxidizing properties:</b>	Contains oxidizing agent.
· <b>Vapor pressure:</b>	Not determined.
· <b>Density:</b>	Not determined.
· <b>Relative density:</b>	Not determined.
· <b>Vapor density:</b>	Not determined.
· <b>Evaporation rate:</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Other information</b>	No relevant information available.

## 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**  
Danger of explosion.  
Toxic fumes may be released if heated above the decomposition point.  
Contact with acids releases toxic gases.  
Acts as an oxidizing agent on organic materials such as wood, paper and fats.
- **Conditions to avoid** Sources of ignition, open flame, incompatible materials.
- **Incompatible materials** Flammable materials.
- **Hazardous decomposition products**  
Carbon monoxide and carbon dioxide  
Nitrogen oxides  
Chlorine compounds

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.

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· **LD/LC50 values that are relevant for classification:**

**3811-04-9 potassium chlorate**

Oral | LD50 | 1870 mg/kg (rat)

**7758-97-6 lead chromate**

Oral | LD50 | 12000 mg/kg (mouse)

· **Primary irritant effect:**

Effects based on exposure to dusts/mists/spray/vapours released during deployment. Unused product does not possess these effects.

· **On the skin:** Irritant to skin and mucous membranes.

· **On the eye:** Causes eye irritation.

· **Sensitization:** Based on available data, the classification criteria are not met.

· **IARC (International Agency for Research on Cancer):**

10294-40-3 | Barium chromate

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· **NTP (National Toxicology Program):**

10294-40-3 | Barium chromate

K

7758-97-6 | lead chromate

K

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

· **Probable route(s) of exposure:**

Ingestion.

Inhalation.

Eye contact.

Skin contact.

· **Acute effects (acute toxicity, irritation and corrosivity):**

Explosive crush or blast injury.

Irritating to eyes, respiratory system and skin.

· **Repeated dose toxicity:** No relevant information available.

· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

· **Carcinogenicity:** Based on available data, the classification criteria are not met.

· **Reproductive toxicity:** Based on available data, the classification criteria are not met.

· **STOT-single exposure:** May cause respiratory irritation.

· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

· **Aspiration hazard:** Based on available data, the classification criteria are not met.

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity** No relevant information available.

· **Persistence and degradability** No relevant information available.

· **Bioaccumulative potential:** May be accumulated in organism

· **Mobility in soil:** No relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **Additional ecological information**

· **General notes:**

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Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

The product contains heavy metals. Avoid transfer into the environment. Specific preliminary treatments are necessary.

Harmful to aquatic organisms

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

· **Other adverse effects** No relevant information available.

## 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Incinerate in accordance with local, state and federal regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

· **Uncleaned packagings**

· **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· **UN-Number**

· **DOT, ADR/RID/ADN, IMDG, IATA** UN0301

· **UN proper shipping name**

· **DOT, IMDG, IATA** Ammunition Tear-producing with burster, expelling charge or propelling charge

· **ADR/RID/ADN** 0301 Ammunition Tear-producing with burster, expelling charge or propelling charge

· **Transport hazard class(es)**

· **DOT**



· **Class**

1.4

· **Label**

1.4G+6.1+8

· **ADR/RID/ADN, IMDG, IATA**



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· <b>Class</b>	1.4
· <b>Label</b>	1.4G+6.1+8
· <b>Packing group</b>	
· <b>DOT, ADR/RID/ADN, IMDG, IATA</b>	II
· <b>Environmental hazards</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>EMS Number:</b>	F-A,S-Q
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

### · **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

### · **Section 313 (Specific toxic chemical listings):**

7757-79-1 Potassium nitrate

7429-90-5 Aluminium

### · **TSCA (Toxic Substances Control Act)**

All ingredients are listed or exempt.

### · **Proposition 65 (California)**

#### · **Chemicals known to cause cancer:**

10294-40-3 Barium chromate

7758-97-6 lead chromate

#### · **Chemicals known to cause developmental toxicity for females:**

10294-40-3 Barium chromate

7758-97-6 lead chromate

#### · **Chemicals known to cause developmental toxicity for males:**

10294-40-3 Barium chromate

7758-97-6 lead chromate

#### · **Chemicals known to cause developmental toxicity:**

10294-40-3 Barium chromate

7758-97-6 lead chromate

#### · **EPA (Environmental Protection Agency):**

10294-40-3 Barium chromate

A(inh), D(oral), K/L(inh), CBD(oral)

(Cont'd. on page 14)

# Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: January 08, 2021

**Trade name: Flamless Tri-Chamber OC Grenade**

(Cont'd. of page 13)

7758-97-6	lead chromate	K
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**· IARC (International Agency for Research on Cancer):**

10294-40-3	Barium chromate	1
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7758-97-6	lead chromate	1
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**· Canadian Domestic Substances List (DSL):**

All ingredients listed on DSL or NDSL.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**· Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

OSHA: Occupational Safety & Health Administration

Expl. 1.1: Explosives – Division 1.1

Expl. 1.4: Explosives – Division 1.4

Flam. Sol. 2: Flammable solids – Category 2

Pyr. Sol. 1: Pyrophoric solids – Category 1

Water-react. 2: Substances and mixtures which in contact with water emit flammable gases – Category 2

Ox. Sol. 1: Oxidizing solids – Category 1

Ox. Sol. 2: Oxidizing solids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Muta. 1B: Germ cell mutagenicity – Category 1B

Carc. 1A: Carcinogenicity – Category 1A

Carc. 1B: Carcinogenicity – Category 1B

Repr. 1A: Reproductive toxicity – Category 1A

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2