

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date 12/30/2015

Reviewed on 12/30/2015

1 Identification

- **Product identifier**
- **Trade name: 12 GAUGE SHELLCRACKER**
- **Product code:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:** Animal depredation control
- **Restrictions on use:** Contact manufacturer
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
 STONECO, INC.
 2727 N Lake Valley Rd
 Prescott Valley, AZ 86314
 (719) 846-2853
 STONECOINCORPORATED@GMAIL.COM
- **Emergency telephone number:**
 ChemTel Inc.
 +1 (800)255-3924, +1 (813)248-0585

2 Hazard(s) identification

- **Classification of the substance or mixture**
 Expl. 1.4 H204 Fire or projection hazard.
 Ox. Sol. 1 H271 May cause fire or explosion; strong oxidizer.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS01 GHS03

- **Signal word:** Danger

- **Hazard statements:**

H204 Fire or projection hazard.
 H271 May cause fire or explosion; strong oxidizer.

- **Precautionary statements:**

- P221 Take any precaution to avoid mixing with combustibles.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P250 Do not subject to grinding/shock/friction.
- P220 Keep away from clothing and other combustible materials.
- P280 Wear eye protection.
- P373 DO NOT fight fire when fire reaches explosives.
- P371+P380+P375 In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
- P374 Fight fire with normal precautions from a reasonable distance.
- P372 Explosion risk in case of fire.
- P370+P378 In case of fire: Use for extinction: Water spray.

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- P401 Store in accordance with local/regional/national/international regulations.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

There are no other hazards not otherwise classified that have been identified.

0 % of the mixture consists of component(s) of unknown toxicity.

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 he is dealing with a powerful force and that various devices and methods have been developed to assist him in directing this force. He should realize that this force, if misdirected, may either kill or injure both him and his 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, he should consult the manufacturer before use.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Dangerous components:

7778-74-7	potassium perchlorate ⚠ Ox. Sol. 1, H271 ⚠ Acute Tox. 4, H302	30-70%
7704-34-9	sulfur ⚠ Skin Irrit. 2, H315	10-30%
7757-79-1	potassium nitrate ⚠ Ox. Sol. 2, H272	1-10%
85-98-3	1,3-diethyldiphenylurea ⚠ Acute Tox. 4, H302	1-5%
122-39-4	diphenylamine ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 ⚠ STOT RE 2, H373	<1.0%

Additional information:

For the listed ingredient(s), the identity and exact percentage(s) are being withheld as a trade secret.

For the wording of the listed Hazard Statements refer to section 16.

Notable Trace Components (≤ 0,1% w/w)

15245-44-0	lead 2,4,6-trinitro-m-phenylene dioxide/ lead styphnate ⚠ Unst. Expl., H200 ⚠ Repr. 1A, H360; STOT RE 2, H373 ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332
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4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Generally the product does not irritate the skin.
Wash with soap and water.
If skin irritation is experienced, consult a doctor.
- **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.
- **Danger:** Danger of blast or crush-type injuries.
- **Indication of any immediate medical attention and special treatment needed:**
Contains perchlorate and nitrates.
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**
Fire or projection hazard.
Contains oxidizing agent.
During heating or in case of fire poisonous gases are produced.
Product may explode if burned in confined space. Individual cartridges may explode. Mass explosion of many cartridges at once is unlikely.
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information:**
Eliminate all ignition sources if safe to do so.
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
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 2008 Emergency response Guidebook for further information.

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6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Protect from heat

Use personal protective equipment as required.

· **Environmental precautions:** No special measures required.

· **Methods and material for containment and cleaning up:**

Pick up mechanically.

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:**

Emergency cooling must be available in case of nearby fire.

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

· **Storage**

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

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

Protect from humidity and water.

· **Information about storage in one common storage facility:** Store away from foodstuffs.

· **Further information about storage conditions:**

Store under lock and key and out of the reach of children.

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

8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

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

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Exposure controls**

· **Personal protective equipment:**

· **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.

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- **Engineering controls:** No relevant information available.
- **Breathing equipment:** Not required under normal conditions of use.
- **Protection of hands:** Not required.
- **Eye protection:**



Safety glasses

- **Limitation and supervision of exposure into the environment** No relevant information available.
- **Risk management measures**
Organizational measures should be in place for all activities involving this product.

9 Physical and chemical properties

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

· **General information**

· **Appearance:**

- | | |
|--------------------------|------------------------------------|
| Form: | Solid material |
| Color: | According to product specification |
| · Odor: | Odorless |
| · Odor threshold: | Not determined. |

· **pH-value:** Not applicable.

· **Change in condition:**

- | | |
|------------------------------|-----------------|
| Melting point/Melting range: | Not determined. |
| Boiling point/Boiling range: | Not determined. |

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Contact with combustible material may cause fire. Fire or projection hazard.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not self-igniting.

· **Danger of explosion:** Explosive when mixed with combustible material.

· **Explosion limits:**

- | | |
|--------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |

· **Oxidizing properties:** Oxidizer

· **Vapor pressure:** Not determined.

· **Density:** Not determined.

· **Relative density:** Not determined.

· **Vapor density:** Not applicable.

· **Evaporation rate:** Not applicable.

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- **Solubility in / Miscibility with:**
 - Water:** Partly soluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not applicable.
 - Kinematic:** Not applicable.
- **Other information** No relevant information available.

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
Risk of explosion if heated under confinement.
- **Possibility of hazardous reactions:**
Fire or projection hazard.
Toxic fumes may be released if heated above the decomposition point.
May intensify fire; oxidizer.
- **Conditions to avoid:** No relevant information available.
- **Incompatible materials:** No relevant information available.
- **Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Nitrogen oxides
Sulfur oxides (SOx)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

LD/LC50 values that are relevant for classification:		
85-98-3 1,3-diethyldiphenylurea		
Oral	LD50	780 mg/kg (rat, female)
122-39-4 diphenylamine		
Oral	LD50	1120 mg/kg (rat)
- **Primary irritant effect:**
 - **On the skin:** Based on available data, the classification criteria are not met.
 - **On the eye:** Mechanical irritation only.
 - **Sensitization:** No sensitizing effects known.

- **IARC (International Agency for Research on Cancer):**
None of the ingredients are listed.

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

None of the ingredients are listed.

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

None of the ingredients are listed.

· **Probable route(s) of exposure:**

- Eye contact.
- Skin contact.

· **Acute effects (acute toxicity, irritation and corrosivity):** Danger of blast or crush-type injuries.

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

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

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

· **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:**

85-98-3 1,3-diethyldiphenylurea

LC50 | 15.6 mg/l (zebra fish)

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

· **Behavior in environmental systems**

· **Bioaccumulative potential:** No relevant information available.

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

· **Additional ecological information**

· **General notes:** At present there are no ecotoxicological assessments.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

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.

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- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number · DOT, ADR, IMDG, IATA	UN0471
· UN proper shipping name · DOT, IMDG, IATA · ADR	ARTICLES, EXPLOSIVE, N.O.S. (BIRD SCARING DEVICES) 0471 ARTICLES, EXPLOSIVE, N.O.S. (BIRD SCARING DEVICES)
· Transport hazard class(es) · DOT, ADR	
	
· Class · Label	1 Explosive substances and articles 1.4E
· IMDG, IATA	
	
· Class · Label	1.4 1.4E
· Packing group · DOT, ADR, IMDG, IATA	II
· Environmental hazards · Marine pollutant:	No
· Special precautions for user · EMS Number: · Segregation groups	Warning: Explosive substances und articles F-S,B-X Perchlorates
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information: · DOT · Quantity limitations	On passenger aircraft/rail: FORBIDDEN On cargo aircraft only: 75 kg

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· **IATA**



Cargo Aircraft Only.

15 Regulatory information

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

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

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

7757-79-1 | potassium nitrate

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

All ingredients are listed.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

Present in trace quantities.

15245-44-0 | lead 2,4,6-trinitro-m-phenylene dioxide/ lead styphnate

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

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

Present in trace quantities.

15245-44-0 | lead 2,4,6-trinitro-m-phenylene dioxide/ lead styphnate

· **Carcinogenic categories**

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

7778-74-7 | potassium perchlorate

NL

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

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

· **Canada**

· **Canadian substance listings**

· **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

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· **Canadian Ingredient Disclosure list (limit 0.1%):**

122-39-4	diphenylamine
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· **Canadian Ingredient Disclosure list (limit 1%):**

None of the ingredients are listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

· **Date of preparation / last revision** 12/30/2015 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (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

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Expl. 1.4: Explosives, Division 1.4

Ox. Sol. 1: Oxidising Solids, Hazard Category 1

Ox. Sol. 2: Oxidising Solids, Hazard Category 2

Acute Tox. 3: Acute toxicity, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

· **Sources**

Website, European Chemicals Agency ([http://http://echa.europa.eu/](http://echa.europa.eu/))

Website, US EPA Substance Registry Services ([http://http://ofmpub.epa.gov/sor_internet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sor_internet/registry/substreg/home/overview/home.do))

Website, Chemical Abstracts Registry, American Chemical Society (<https://www.cas.org>)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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