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1 Identification					
· Product identifier					
· Trade name: Triple-Chaser® Separating Canister, CS					
• Article number: 1026 (1012309)					
Recommended use and restriction on use Recommended use: Crowd Control Device Restrictions on use: Contact manufacturer.					
 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 Inc. (800)255-3924, +1 (813)248-0585					
2 Hazard(s) identification					
· Classification of the substance or mixture					
GHS02 Flame					
Flam. Sol. 1 H228 Flammable solid.					
GHS06 Skull and crossbones					
Acute Tox. 3 H301 Toxic if swallowed.					
Acute Tox. 3 H331 Toxic if inhaled.					
GHS08 Health hazard					
Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.					
GHS07					
Acute Tox. 4 H312 Harmful in contact with skin.					
Skin Irrit. 2 H315 Causes skin irritation.					
Eye Irrit. 2A H319 Causes serious eye irritation.					
Skin Sens. 1 H317 May cause an allergic skin reaction.					
STOT SE 3 H335 May cause respiratory irritation.					
 Additional information: There are no other hazards not otherwise classified that have been identified. 					
0 percent of the mixture consists of ingredient(s) of unknown toxicity.					
(Contd. on page 2)					

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Trade name: Triple-Chaser® Separating Canister, CS (Contd. of page 1) · Label elements · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). · Hazard pictograms GHS02 GHS06 GHS07 GHS08 · Signal word Danger · Hazard-determining components of labeling: [(2-chlorophenyl)methylene]malononitrile potassium chlorate diphenylamine potassium perchlorate · Hazard statements H228 Flammable solid. H301+H331 Toxic if swallowed or if inhaled. Harmful in contact with skin. H312 Causes skin irritation. H315 H319 Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. H334 May cause an allergic skin reaction. H317 May cause respiratory irritation. H335 · Precautionary statements Keep away from heat, sparks, open flames, and hot surfaces. - No smoking. P210 P260 Do not breathe dust/fume/gas/mist/vapors/spray. Wear respiratory protection. P284 Wash thoroughly after handling. P264 P280 Wear protective gloves / eye protection / face protection. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P301+P310 If swallowed: Immediately call a poison center/doctor. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P320 Specific treatment is urgent (see on this label). P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P330 Rinse mouth. P370+P378 In case of fire: Use for extinction: CO2, powder or water spray. P302+P352 If on skin: Wash with plenty of water. P361+P364 Take off immediately all contaminated clothing and wash it before reuse. P405 Store locked up. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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(Contd. of page 2)

Classification system:
 NFPA ratings (scale 0 - 4)
 Health = 4

Fire = 0 Reactivity = 4

The substance possesses oxidizing properties.

· HMIS-ratings (scale 0 - 4)

HEALTHImage: Second constraintsHealth = *3FIREImage: Second constraintsFire = 0REACTIVITYImage: Second constraintsReactivity = 4

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

· Other hazards

Δ

· Results of PBT and vPvB assessment

PBT: Not applicable.

· vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description:

Product will contain various combinations of the following substances. Not all substances will be in each product.

Mixture of the substances listed below with nonhazardous additions.

2698-41-1	[(2-chlorophenyl)methylene]malononitrile	
2000 41 1	 Acute Tox. 3, H301; Acute Tox. 2, H330 Resp. Sens. 1, H334 Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335 	
9004-70-0	Nitrocellulose, colloided, granular	
3811-04-9	potassium chlorate Ox. Sol. 1, H271 Acute Tox. 4, H302; Acute Tox. 4, H332	
57-50-1	sucrose, pure	
598-62-9	manganese carbonate	
7757-79-1	potassium nitrate Ox. Sol. 2, H272	
7440-50-8	copper	
1309-48-4	magnesium oxide	
7440-66-6	zinc metal	

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	(Co	ontd. of page 3)		
7778-74-7	potassium perchlorate			
	Ox. Sol. 1, H271			
	Acute Tox. 4, H302			
7704-34-9				
	Skin Irrit. 2, H315			
592-87-0	lead dithiocyanate			
	Carc. 1B, H350; Repr. 1A, H360; STOT RE 2, H373 Acute Tox. 4, H302; Acute Tox. 4, H332			
122-39-4	diphenylamine			
	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 STOT RE 2, H373			
557-04-0	magnesium distearate, pure			
10294-40-3	barium chromate			
	Carc. 1A, H350 Acute Tox. 4, H302; Acute Tox. 4, H332			
69012-64-2	Silica-Amorphous Silica fume	≤ 2.5%		
1317-61-9	triiron tetraoxide			
7440-21-3	silicon			
	🚸 Flam. Sol. 2, H228			
7429-90-5	aluminium powder (pyrophoric)			
	🚸 Pyr. Sol. 1, H250; Water-react. 2, H261			
16291-96-6	charcoal			
· Additional information:				
	d ingredient(s), the identity and exact percentage(s) are being withheld as a trade	secret.		
· Notable Tra	 Notable Trace Components (≤ 0,1% w/w) 			
7758-97-6	lead chromate STOT RE :	2, H373		

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 immediate medical advice.

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

Provide oxygen treatment if affected person has difficulty breathing.

· After skin contact:

Immediately rinse with water.

If skin irritation continues, consult a doctor.

· After eye contact:

Protect unharmed eye. Remove contact lenses if worn.

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Trade name: Triple-Chaser® Separating Canister, CS (Contd. of page 4) Rinse opened eye for several minutes under running water. Then 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. · Information for doctor: · Most important symptoms and effects, both acute and delayed Asthma attacks Blast injury if mishandled. Dizziness Irritant to eyes. Irritant to skin and mucous membranes. Breathing difficulty Coughing Allergic reactions Disorientation · Danger Danger of blast or crush-type injuries. Danger of pulmonary edema. Danger of disturbed cardiac rhythm. Danger of convulsion. Danger of impaired breathing. Danger of cerebral edema. Indication of any immediate medical attention and special treatment needed Severe allergic skin reaction, bronchial spasms and anaphylactic shock are possible. If necessary oxygen respiration treatment. Contains lead chromate. Later observation for pneumonia and pulmonary edema. 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:

DO NOT fight fire when fire reaches explosives.

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

Product may explode if burned in confined space. Individual cartridges may explode. Mass explosion of many cartridges at once is unlikely.

Hazardous combustions products: Metal Compounds, Carbon Monoxide, Carbon Dioxide, Nitrous Oxides, Various complex oxides of metals, Nitrogen.

· Advice for firefighters

· Protective equipment:

Wear self-contained respiratory protective device. Wear fully protective suit.

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· Additional information

Evacuate area and fight fire from from the upwind side.

Cool endangered receptacles with water spray.

6 Accidental release measures

 Personal precautions, protective equipment and emergency procedures Use respiratory protective device against the effects of fumes/dust/aerosol. Isolate area and prevent access. Keep people at a distance and stay upwind. Wear protective equipment. Keep unprotected persons away. Remove persons from danger area. Ensure adequate ventilation. Protect from heat. Keep away from ignition sources. Environmental precautions: Do not allow to enter sewers/ surface or ground water. Suppress gases/fumes/haze with water spray. Methods and material for containment and cleaning up: Pick up mechanically. Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to item 13. Reference to other sections See Section 7 for information on personal protection equipment. See Section 13 for disposal information. 	
	_
7 Handling and storage	

Handling

· Handling:	
· Precautions for safe handling	
Handle with care. Avoid jolting, friction and impact.	
Keep away from heat and direct sunlight.	
Use only in well ventilated areas.	
 Information about protection against explosions and fires: 	
Prevent impact and friction.	
Keep respiratory protective device available.	
Emergency cooling must be available in case of nearby fire.	
Protect from heat.	
Keep ignition sources away - Do not smoke.	
· Conditions for safe storage, including any incompatibilities	
· Storage:	
· 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.	
	(Contd. on page 7)

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Store away from flammable substances. Do not store together with oxidizing and acidic materials. Store away from water.

Further information about storage conditions:
 Protect from heat and direct sunlight.
 Store in dry conditions.
 Store receptacle in a well ventilated area.

• Specific end use(s) No further relevant information available.

8 Exposure	controls/	personal	protection
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• 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:		
- •	hlorophenyl)methylene]malononitrile		
PEL (USA)	Long-term value: 0.4 mg/m ³ , 0.05 ppm		
REL (USA)	Ceiling limit value: 0.4 mg/m³, 0.05 ppm Skin		
TLV (USA)	Ceiling limit value: 0.39 mg/m³, 0.05 ppm Skin		
EL (Canada)	Ceiling limit value: 0.05 ppm Skin		
EV (Canada)	Ceiling limit value: 0.4 mg/m³, 0.05 ppm Skin		
LMPE (Mexico)	Ceiling limit value: 0.05 ppm A4, PIEL		
57-50-1 sucros	e, pure		
PEL (USA)	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction		
REL (USA)	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction		
TLV (USA)	Long-term value: 10 mg/m ³		
EL (Canada)	Long-term value: 10* 3** mg/m ³ *total dust;**respirable fraction		
EV (Canada)	Long-term value: 10 mg/m³ total dust		
LMPE (Mexico)	Long-term value: 10 mg/m³ A4		
598-62-9 manganese carbonate			
PEL (USA)	Ceiling limit value: 5 mg/m³ as Mn		
	•	(Contd. on page 8)	

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		(Contd. of page 7)	
REL (USA)	Short-term value: 3 mg/m ³ Long-term value: 1 mg/m ³ as Mn		
TLV (USA)	Long-term value: 0.02* 0.1* mg/m³ as Mn; *respirable **inhalable fraction		
EL (Canada)	Long-term value: 0.2 mg/m³ as Mn; R		
LMPE (Mexico)	Long-term value: 0.2 mg/m³ como Mn		
1309-48-4 mag	nesium oxide		
PEL (USA)	Long-term value: 15* mg/m ³ fume; *total particulate		
TLV (USA)	Long-term value: 10* mg/m ³ *as inhalable fraction		
EL (Canada)	Short-term value: 10** mg/m³ Long-term value: 10* 3** mg/m³ *inhalable fume;**respirable dust and fume		
EV (Canada)	Long-term value: 10 mg/m ³ inhalable		
LMPE (Mexico)	Long-term value: 10* mg/m³ A4, *fracción respirable		
1309-37-1 diiro	n trioxide / iron (III) oxide		
PEL (USA)	Long-term value: 10* 15** 5*** mg/m ³ *Fume; Rouge: **Total dust, ***respirable		
REL (USA)	Long-term value: 5 mg/m³ Dust & fume, as Fe		
TLV (USA)	Long-term value: 5* mg/m ³ *as respirable fraction		
EL (Canada)	Short-term value: 10** mg/m³ Long-term value: 5* 10*** 3**** mg/m³ *dust & fume**fume; Rouge: ***total dust****resp.		
EV (Canada)	Long-term value: 5* 10** mg/m³ *respirable, including Rouge;**total dust		
LMPE (Mexico)	Long-term value: 5* mg/m³ A4, *fracción respirable		
7440-50-8 copp	7440-50-8 copper		
PEL (USA)	Long-term value: 1* 0.1** mg/m³ as Cu *dusts and mists **fume		
REL (USA)	Long-term value: 1* 0.1** mg/m³ as Cu *dusts and mists **fume		
TLV (USA)	Long-term value: 1* 0.2** mg/m³ *dusts and mists; **fume; as Cu		
		(Contd. on page 9)	

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	-Chaser® Separating Canister, CS	
		(Contd. of pa
EL (Canada)	Long-term value: 1* 0.2** mg/m ³ *dusts and mists; **fume, as Cu	
EV (Canada)	Long-term value: 0.2* 1** mg/m ³ as copper, *fume;**dust and mists	
LMPE (Mexico)	Long-term value: 0.2* 1** mg/m³ *humo (como Cu);**polvo y niebla (como Cu)	
7440-21-3 silico	on	
PEL (USA)	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction	
REL (USA)	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction	
TLV (USA)	TLV withdrawn	
EL (Canada)	Long-term value: 10* 3** mg/m ³ *total dust;**respirable fraction	
EV (Canada)	Long-term value: 10 mg/m ³ total dust	
LMPE (Mexico)	Short-term value: 20 mg/m ³ Long-term value: 10 mg/m ³ (e)	
7440-67-7 zirco	nium powder (pyrophoric)	
PEL (USA)	Long-term value: 5 mg/m ³ as Zr	
REL (USA)	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ as Zr	
TLV (USA)	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ as Zr	
EL (Canada)	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ as Zr	
EV (Canada)	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ as zirconium	
LMPE (Mexico)	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ A4; como Zr	
7429-90-5 alum	inium powder (pyrophoric)	
PEL (USA)	Long-term value: 15*; 15** mg/m ³ *Total dust; ** Respirable fraction	
REL (USA)	Long-term value: 10* 5** mg/m ³ as Al*Total dust**Respirable/pyro powd./welding f.	

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		(Contd. of pa
TLV (USA)	Long-term value: 1* mg/m ³ as Al; *as respirable fraction	(contar or pa
EL (Canada)	Long-term value: 1.0 mg/m³ respirable, as Al	
EV (Canada)	Long-term value: 5 mg/m³ aluminium-containing (as aluminium)	
LMPE (Mexico)	Long-term value: 1* mg/m³ A4, *fracciòn respirable	
592-87-0 lead c	lithiocyanate	
PEL (USA)	Long-term value: 5 mg/m³ as CN; Skin	
EV (Canada)	Long-term value: 0.05 mg/m³ as Pb, Skin (organic compounds)	
122-39-4 diphe	nylamine	
REL (USA)	Long-term value: 10 mg/m ³	
TLV (USA)	Long-term value: 10 mg/m ³	
EL (Canada)	Long-term value: 10 mg/m ³	
EV (Canada)	Long-term value: 10 mg/m ³	
LMPE (Mexico)	Long-term value: 10 mg/m ³ A4	
557-04-0 magn	esium distearate, pure	
TLV (USA)	Long-term value: 10 mg/m ³	
LMPE (Mexico)	Long-term value: 10 mg/m ³ A4	
10294-40-3 bar	ium chromate	
PEL (USA)	Long-term value: 0.005* mg/m ³ Ceiling limit value: 0.1** mg/m ³ *as Cr(VI) **as CrO3; see 29 CFR 1910.1026	
REL (USA)	Long-term value: 0.0002 mg/m³ as Cr; See Pocket Guide Apps. A and C	
TLV (USA)	Long-term value: 0.01 mg/m³ as Cr	
EL (Canada)	Long-term value: 0.01 mg/m³ as Cr; ACGIH A1, IARC 1	
LMPE (Mexico)	Long-term value: 0.01 mg/m³ A1; como Cr	
69012-64-2 Sili	ca-Amorphous Silica fume	
TLV (USA)	TLV withdrawn	
EL (Canada)	Long-term value: 4* 1.5** mg/m ³ fume *total; **respirable	

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	(Contri of page 10)		
LMPE (Mex	(Contd. of page 10) kico) Long-term value: 2 mg/m ³		
, , , , , , , , , , , , , , , , , , ,	(j)		
· Ingredients	s with biological limit values:		
10294-40-3	barium chromate		
BEI (USA)			
	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)		
	information: The lists that were valid during the creation were used as basis.		
	-		
· Exposure o	protective equipment:		
	otective and hygienic measures:		
	precautionary measures for handling chemicals should be followed.		
	from foodstuffs, beverages and feed.		
	or long term contact with the skin. act with the eyes.		
	ile dust / smoke / mist.		
	y remove all soiled and contaminated clothing.		
	s before breaks and at the end of work. ctive clothing separately.		
	le gases / fumes / aerosols.		
	g controls: Provide adequate ventilation.		
· Breathing	equipment:		
	ombined Organic Vapor and Particulate Respirator is recommended for use during all ocessing activities.		
Wear posit	ive pressure NIOSH or European EN149 vapor respirators when deploying product in large		
quantities.			
Respiratory protection required. • Protection of hands:			
· Protection	or hands.		
Protective gloves			
The alove r	naterial has to be impermeable and resistant to the product/ the substance/ the preparation.		
Due to missing tests no recommendation to the glove material can be given for the product/ the			
	preparation/ the chemical mixture.		
	of the glove material on consideration of the penetration times, rates of diffusion and the		
degradation • Material of gloves			
	on of the suitable gloves does not only depend on the material, but also on further marks of		

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

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acc. to OSHA HCS (29 CFR 1910.1200)

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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 further relevant information available.
- **Risk management measures** See Section 7 for additional information. Organizational measures should be in place for all activities involving this product.

9 Physical and chemical properties

 Information on basic physical and General Information Appearance: Form: Color: Odor: Odor threshold: 	chemical properties Solid material Grey Characteristic Not determined.
· pH-value:	Not applicable.
 Change in condition Melting point/Melting range: Boiling point/Boiling range: 	Undetermined. Undetermined.
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not determined.
· Auto-ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not self-igniting.
· Danger of explosion:	Extreme risk of explosion by shock, friction, fire or other sources of ignition.
 Explosion limits: Lower: Upper: 	Not determined. Not determined.
· Vapor pressure:	Not applicable.
 Density: Relative density Vapour density 	Not determined. Not determined. Not applicable. (Contd. on page 13)

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Trade name: Triple-Chaser® Separating	Canister, CS	
Evaporation rate	Not applicable.	(Contd. of page 12)
 Solubility in / Miscibility with Water: 	Insoluble.	
· Partition coefficient (n-octanol/water		
 Viscosity: Dynamic: Kinematic: Other information 	Not applicable. Not applicable. No further relevant information available.	
10 Stability and reactivity		
 Reactivity No further relevant information in the stability Thermal decomposition / conditions No decomposition if used and stored and store and the store and	to be avoided: coording to specifications. above the decomposition point. idizing) material. Danger of Explosion. noke. noke. t. ured or severely damaged. acids liberates toxic gas.	
11 Toxicological information		

Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

2698-41-1 [(2-chlorophenyl)methylene]malononitrile

Oral LD50 178 mg/kg (rat)

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	(Contd. of page
38	11-04-9 potassium chlorate
Ora	al LD50 1870 mg/kg (rat)
12	2-39-4 diphenylamine
Ora	al LD50 1120 mg/kg (rat)
77	58-97-6 lead chromate
Ora	al LD50 12000 mg/kg (mouse)
· on · on	mary irritant effect: the skin: Irritant to skin and mucous membranes. the eye: Strong irritant with the danger of severe eye injury. ditional toxicological information: Toxic and/or corrosive effects may be delayed up to 24 hours.
· Ca	rcinogenic categories
· NT	P (National Toxicology Program)
į	592-87-0 lead dithiocyanate
102	294-40-3 barium chromate
os	HA-Ca (Occupational Safety & Health Administration)
	ne of the ingredients is listed.
Inh Eyy Ski Ha To: Ma • Re Ma • CN	<pre>institute in the set of the</pre>
2 Ec	ological information
• Aq To:	xicity uatic toxicity: xic for aquatic organisms e product contains materials that are harmful to the environment.
	98-41-1 [(2-chlorophenyl)methylene]malononitrile
EC	50 0.2-0.3 mg/kg (Oncorhynchus mykiss)
· Be · Bio	rsistence and degradability The product is partially biodegradable. Significant residuals remain. havior in environmental systems: baccumulative potential May be accumulated in organism bility in soil No further relevant information available.

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· Ecotoxical effects:

· Remark: Toxic for fish

· Additional ecological information:

· General notes:

This statement was deduced from the properties of the single components.

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

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

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

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.

· Other adverse effects No further 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. Hand over to hazardous waste disposers.

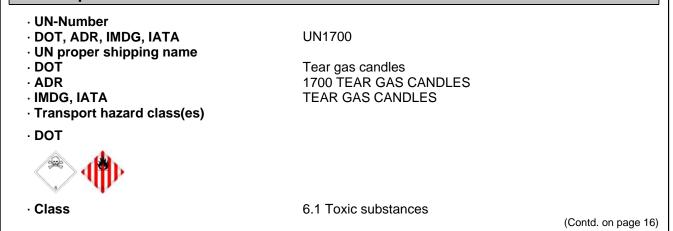
After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

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:

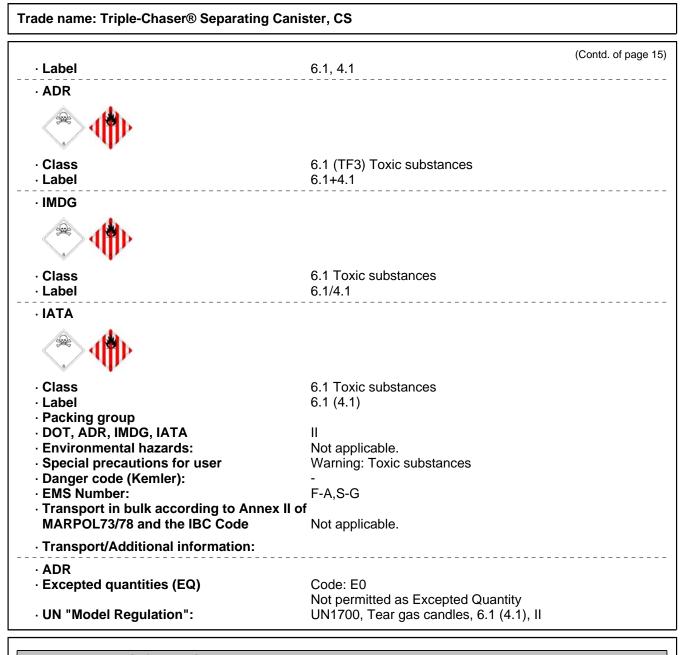
· Recommendation: Disposal must be made according to official regulations.

14 Transport information



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15 Regulatory information

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

· SARA

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

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		(Contd. of page
· Section 31	3 (Specific toxic chemical listings):	
598-62-9	manganese carbonate	
7757-79-1	potassium nitrate	
7440-50-8	copper	
7440-66-6	zinc metal	
7429-90-5	aluminium powder (pyrophoric)	
· TSCA (Tox	ic Substances Control Act):	
All ingredie	nts are listed.	
· Chemicals	n 65 (California) known to cause cancer: ace quantities of substances known to the Stat	e of California to cause cancer.
592-87-0	lead dithiocyanate	
10294-40-3	barium chromate	
7758-97-6	lead chromate	
	known to cause reproductive toxicity for fearing and the second s	emales:
10294-40-3	barium chromate	
7758-97-6	lead chromate	
	known to cause reproductive toxicity for n race quantities.	nales:
10294-40-3	barium chromate	
7758-97-6	lead chromate	
	known to cause developmental toxicity: trace quantities.	
10294-40-3	barium chromate	
7758-97-6	lead chromate	
· Carcinoge	nic categories	
· EPA (Envir	ronmental Protection Agency)	
598-62-9	manganese carbonate	D
7440-50-8	copper	D
	zinc metal	D, I, II
7778-74-7	potassium perchlorate	NL
10294-40-3	barium chromate	A(inh), D(oral), K/L(inh), CBD(ora
· IARC (Inter	rnational Agency for Research on Cancer)	
1309-37-1	diiron trioxide / iron (III) oxide	
	barium chromate	
69012-64-2	Silica-Amorphous Silica fume	
· TLV (Thres	shold Limit Value established by ACGIH)	· · · · · · · · · · · · · · · · · · ·
•	[(2-chlorophenyl)methylene]malononitrile	A

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		(Contd. of page 17)
1309-48-4	magnesium oxide	A4
1309-37-1	diiron trioxide / iron (III) oxide	A4
7440-67-7	zirconium powder (pyrophoric)	A4
7429-90-5	aluminium powder (pyrophoric)	A4
122-39-4	diphenylamine	A4
10294-40-3	barium chromate	A1
· NIOSH-Ca	(National Institute for Occupational Safety and Health)	· · · · ·
10294-40-3	B barium chromate	
· State Righ	t to Know Listings	
None of the	e ingredients is listed.	
· Canadian	substance listings:	
	Domestic Substances List (DSL)	
	Nitrocellulose, colloided, granular	
3811-04-9	potassium chlorate	
57-50-1	sucrose, pure	
598-62-9	manganese carbonate	
7757-79-1	potassium nitrate	
	magnesium oxide	
1309-37-1	diiron trioxide / iron (III) oxide	
7440-50-8	copper	
7440-32-6	titanium	
1317-61-9	triiron tetraoxide	
7440-66-6	zinc metal	
7440-21-3	silicon	
7440-67-7	zirconium powder (pyrophoric)	
7429-90-5	aluminium powder (pyrophoric)	
7440-44-0	carbon	
	Ingredient Disclosure list (limit 0.1%)	
	manganese carbonate	
	diphenylamine	
10294-40-3	barium chromate	
	Ingredient Disclosure list (limit 1%)	
	[(2-chlorophenyl)methylene]malononitrile	
	magnesium oxide	
1309-37-1	diiron trioxide / iron (III) oxide	
7440-50-8	••	
7429-90-5	aluminium powder (pyrophoric)	
		(Contd. on page 19)

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

This i	information is based on our present knowledge. However, this shall not constitute a guarantee for
	pecific product features and shall not establish a legally valid contractual relationship.
Date	of preparation / last revision July 13, 2015 / -
ADR: <i>A</i> Interna IMDG: DOT: L IATA: I GHS: C ACGIH EINEC ELINC: CAS: C DNEL: PNEC: LC50: I LD50: I PBT: P BYT: P SVHC: vPvB: y Expl. 1	eviations and acronyms: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the tional Carriage of Dangerous Goods by Road) International Maritime Code for Dangerous Goods JS Department of Transport Association International Air Transport Association Globally Harmonised System of Classification and Labelling of Chemicals t: American Conference of Governmental Industrial Hygienists S: European Inventory of Existing Commercial Chemical Substances S: European List of Notified Chemical Substances Chemical Abstracts Service (division of the American Chemical Society) Derived No-Effect Level (REACH) Predicted No-Effect Concentration (REACH) Lethal concentration, 50 percent Lethal dose, 50 percent Versistent, Bioaccumulative and Toxic Substances of Very High Concern very Persistent and very Bioaccumulative .1: Explosives, Division 1.1
Flam. S Pyr. Sc	Sol. 1: Flammable solids, Hazard Category 1 Sol. 2: Flammable solids, Hazard Category 2 Jl. 1: Pyorphoric Solids, Hazard Category 1 react. 2: Substances and Mixtures which, in contact with water, emit flammable gases, Hazard Category 2
Ox. So Acute Acute Skin Irr Eye Irri Resp. S Skin Se Carc. 1 Carc. 1 Repr. 1 STOT	 I. 1: Oxidising Solids, Hazard Category 1 I. 2: Oxidising Solids, Hazard Category 2 Tox. 3: Acute toxicity, Hazard Category 3 Tox. 4: Acute toxicity, Hazard Category 4 Tox. 2: Acute toxicity, Hazard Category 2 rit. 2: Skin corrosion/irritation, Hazard Category 2 it. 2A: Serious eye damage/eye irritation, Hazard Category 1 ens. 1: Sensitisation - Respirat., Hazard Category 1 IA: Carcinogenicity, Hazard Category 1B IA: Carcinogenicity, Hazard Category 1B IA: Reproductive toxicity, Hazard Category 1A SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
SDS Cherr 1305 Tamp Toll F	Prepared by: hTel Inc. North Florida Avenue ba, Florida USA 33602-2902 Free North America 1-888-255-3924 Intl. +01 813-248-0573 site: www.chemtelinc.com