



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : CHARGE DE SCELLEMENT

Product code : SPIT - 6,3/10.

Gray (031690) - Brown (031740) - Green (031600) - Yellow (031700) - Red (011658).

1.2. Relevant identified uses of the substance or mixture and uses advised against

Cartridge.

1.3. Details of the supplier of the safety data sheet

Registered company name : SPIT.

Address : 150, route de Lyon.26500.BOURG LES VALENCE.France.

Telephone : 0 810 102 102. Fax : 0 810 432 432.

Email : msds-reach@spit.com

<http://www.spit.fr>

1.4. Emergency telephone number : 112.

Association/Organisation : European emergency number.

Other emergency numbers

UK National Poisons Emergency number: 0870 600 6266

http://echa.europa.eu/help/nationalhelp_contact_en.asp

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Explosive.

Risk of explosion due to shock, friction, fire or other sources of ignition.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Risk phrase :

R 2 Risk of explosion by shock, friction, fire or other sources of ignition.

Safety phrase :

S 17 Keep away from combustible material.

S 16 Keep away from sources of ignition - No smoking.

S 23 Do not breathe vapour.

S 51 Use only in well-ventilated areas.

2.3. Other hazards

No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	67/548/EEC	Note	%
CAS: 55-63-0	GHS06, GHS09, GHS08	T+,N	[1]	25 <= x % < 50
EC: 200-240-8	Dgr	T+;R26/27/28		
	Acute Tox. 2, H300	N;R51/53		
GLYCEROL TRINITRATE	Acute Tox. 1, H310	R3-R33		

	Acute Tox. 2, H330 STOT RE 2, H373 Aquatic Chronic 2, H411			
CAS: 15245-44-0 EC: 239-290-0 LEAD STYPHNATE	GHS08, GHS07, GHS09 Dgr Acute Tox. 4, H302 Acute Tox. 4, H332 STOT RE 2, H373 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	T,N Repr. Cat. 1;R61 Repr. Cat. 3;R62 Xn;R20/22 N;R50/53 R3-R33	E [2]	2.5 <= x % < 10
CAS: 109-27-3 EC: 203-659-4 4-AMIDINO-N'-NITROSO -1-TETRAZÈNE-1-CARBO XIMIDOHYDRAZIDE	GHS07 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319	Xi,E Xi;R36/38 R3		1 <= x % < 2.5

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures**In the event of splashes or contact with eyes :**

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of swallowing :

Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Flammable.

If a fire reaches the cargo, not to fight. Evacuate everyone in the area, including emergency response personnel within a radius of 25 m.

5.1. Extinguishing media**Suitable methods of extinction**

In the event of a fire, use :

- water
- carbon dioxide (CO₂)
- dry chemical agents

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

The combustion will release carbon monoxide as well as a small amount of lead, which is coming from primer composition.

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Collect by hand.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Avoid mechanical shock, solar radiation or flame.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Never pour water into this mixture.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

Wearing a helmet hearing protection is strongly recommended during the operation.

8.1. Control parameters**Occupational exposure limits :**

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
55-63-0	0.05 ppm	-	-	-	-

- France (INRS - ED984 :2008) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
55-63-0	0.1	1	-	-	*	72

- Belgium (Order of 19/05/2009, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
55-63-0	0.05 ppm	-	-	-	-

8.2. Exposure controls**Personal protection measures, such as personal protective equipment**

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Recommended properties :

- Impervious gloves in accordance with standard EN374

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Avoid breathing dust.

Type of FFP mask :

Wear a disposable half-mask dust filter in accordance with standard EN149.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state :	Solid.
-	Metal casing.

Important health, safety and environmental information

pH :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	> 1
Water solubility :	Insoluble.
Self-ignition temperature :	170 °C.

9.2. Other information

Minimum ignition energy:	0.25 J.
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SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

Thermally unstable and/or too sensitive for handling, transport and normal use.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid :

- shock and friction
- heating
- heat

The cartridge can detonate if the tube is pierced or very damaged.

10.5. Incompatible materials

Keep away from :

- acids
- bases
- strong oxidising agents
- explosives Class A and B

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)
- nitrogen oxide (NO)
- nitrogen dioxide (NO₂)
- oxides and lead dust

SECTION 11 : TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture**Acute toxicity :**

Oral route : No observed effect.
LD50 > 5000 mg/kg

Dermal route : No observed effect.
LD50 > 5000 mg/kg

Inhalation route (Dusts/mist) : No effect.
Duration of exposure : 4 h
LC50 >= 5 mg/l

Reproductive toxicant :

No toxic effect for reproduction

SECTION 12 : ECOLOGICAL INFORMATION**12.1. Toxicity****12.1.1. Substances**

No aquatic toxicity data available for the substances.

12.1.2. Mixtures

Chronic fish toxicity : No observed effect.
NOEC > 1 mg/l

Chronic crustacean toxicity : No observed effect.
NOEC > 1 mg/l

Chronic algae toxicity : No observed effect.
NOEC > 1 mg/l

Chronic aquatic plant toxicity : No observed effect.
NOEC > 1 mg/l

12.2. Persistence and degradability

Biodegradability : Not fast degrading.

12.3. Bioaccumulative potential

Bioaccumulation : BCF >= 500.
Has a potential for bioconcentration.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK) :

WGK 3 (VwVwS vom 27/07/2005, KBws) : Extremely hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2013).

14.1. UN number

0014

14.2. UN proper shipping name

UN0014=CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK or CARTRIDGE FOR TOOLS, BLANK

14.3. Transport hazard class(es)

- Classification :



1.4

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	1	1.4S	-	1.4	-	0	-	E0	4	E
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ			
	1.4S	-	-	5 kg	F-B,S-X	364	E0			
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	1.4S	-	-	130	25 kg	130	100 kg	-	E0	
	1.4S	-	-	Forbidden	Forbidden	-	-	-	E0	

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

SECTION 15 : REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****- Particular provisions :**

No data available.

- German regulations concerning the classification of hazards for water (WGK) :

WGK 3 (VwVwS vom 27/07/2005, KBws) : Extremely hazardous for water.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3 :

H300	Fatal if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
R 20/22	Harmful by inhalation and if swallowed.
R 26/27/28	Very toxic by inhalation, in contact with skin and if swallowed.
R 3	Extreme risk of explosion by shock, friction, fire or other sources of ignition.
R 33	Danger of cumulative effects.
R 36/38	Irritating to eyes and skin.
R 50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 61.G1	May cause harm to the unborn child.
R 62.F3	Possible risk of impaired fertility.

Abbreviations :

CMR: Carcinogenic, mutagenic or reprotoxic.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefahrdungsklasse (Water Hazard Class).