
SAFETY DATA SHEET

C15 Energy Cell

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Name: Gas cartridge

Product code: C15

Company/undertaking identification:

Registered company name:

Address:

Telephone:

Email :

Emergency telephone:

Association/Organisation: Swedish Match

Other emergency telephone numbers:(+31-653545373

Use of the substance/preparation: C15 , small gas containing Receptacle to be used as Gas Cartridge or Energy cell.

2 - HAZARDS IDENTIFICATION

The gas cartridge contains Liquefied Petroleum Gases. Cartridge may burst individually when exposed to high temperatures such as open flame.

Energy cells as such do not present a health hazard.

Risk of explosion of individual Energy cell when submitted to unforeseeable abnormal shock, unforeseeable abnormal friction.

The gas, when released from the cartridge outside the appliance and without burning (improper usage of the C15) does have the following identified hazards:

EU classification: Extremely Flammable

Human health hazards: Exposure to high vapour concentrations can lead to nausea, headache, dizziness, and in extreme cases, loss of consciousness and death in oxygen deficient environments. Prolonged exposure to vapour may affect the central nervous system.

Safety hazards: Contact with liquid LPG can cause cold burns.
Extremely flammable liquefied gas, readily explodes in the presence of source of ignition or flame impingement on containers. The vapour is heavier than air, spreads along the ground and distant ignition is possible.

Environmental hazards: No specific hazards under normal use conditions. Liquefied Petroleum Gases are very volatile liquids which on loss of containment will react rapidly with hydroxyl radicals and ozone.

Preparation classification:



R12: Extremely flammable

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

Hazardous substances present on their own:

C15 Cartridges contain a preparation of Liquefied Petroleum Gasses.

This preparation has 100% maxi of Butane(60% n-Butane + 40% iso-Butane), 1% maxi of Propane, 150 ppm maxi Sulfur

Other substances representing a hazard:

CAS: 68476-85-7 EC: 270-704-2 Petroleum gases, liquefied

4 - FIRST AID MEASURES

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

In case of hazardous burning on a person, put out the fire and pour water over the burning parts for a longer period. Do not use fats on the burning parts. Do not remove the clothes in the burning region.

In the event of exposure by inhalation:

Remove the affected person to fresh air. Keep warm and at rest. If the casualty is stupor, some physical restraint may be necessary to prevent injury. If breathing but unconscious, place in the recovery position. If breathing has stopped, apply artificial respiration. If heartbeats absent, give external cardiac compression.) Monitor breathing and pulse. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

In the event of splashes or contact with eyes:

DO NOT DELAY. Flush eye with copious quantities of water to normalize temperature. Cover eye with a sterile dressing. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

In the event of splashes or contact with skin:

Drench affected parts with water to normalize temperature. Remove contaminated clothing, rings, watches, etc., if possible, but do not attempt to do so if they are adhering to the skin. Do not attempt to reheat the affected parts rapidly – reheat slowly. Cover with a sterile dressing. Do not apply ointments or powders. Note that contaminated clothing may be a fire hazard. Contaminated clothing should be soaked with water before being removed. It must be laundered before reuse.

In the event of swallowing:

In the unlikely event of ingestion, obtain medical attention immediately.

5 - FIRE-FIGHTING MEASURES

For extinguishing use Carbon dioxide dry chemical or water spray.

Special protective equipment for fire-fighters:

Protection from bursting C15 Cartridge is required if it's subjected to high temperature or open flames.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Gas cartridges should only be used for the purpose and as refill for the appliance as mentioned on the consumer packing. Follow the written instructions.
Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

LPG will evaporate as soon as it is released from the cartridge

Dispose of waste recovered in accordance with applicable regulations (see heading 13).

Methods for cleaning up: n.a.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Handling:

Do not puncture or put in fire.

Do not expose the Gas Cartridge to heat or high temperature (> 55°C, 130°F) .

Avoid direct contact with acid and solvents.

Do not put the Gas Cartridge in full sunlight.

Fire prevention:

Avoid the storage of Gas Cartridges close to highly flammable materials.

No smoking and open fire during handling and storage.

Recommended equipment and procedures:

For personal safety, see §8.

Be sure the Gas Cartridge is detached from any portable appliance when not in use.

Prohibited equipment and procedures:

Do not store the Gas Cartridge at high temperature or close to a heat source

Storage:

Gas cartridges should be stored in the original packing.

It is suitable to store the Gas Cartridge between -10 and + 50 in dry and well ventilated places.

Do not store the Gas Cartridge in full sunlight.

Specific use(s):

Containers for Gas Cartridges shall be well ventilated.

Cartons of Gas Cartridges are conform to UN 2037.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

No specific personal protective equipment.

Gas cartridges should only be used for the purpose and as refill for the appliance as mentioned on the consumer packing.

Follow the written instructions.

Protection from bursting Gas Cartridges is required if they are subjected to high temperature or open flame.

For further information, see § 11 of S.D.S. - Toxicological information.

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information for the LPG inside the Cartridge:

<i>PHYSICAL STATE:</i>	Liquefied Petroleum Gases under pressure
<i>COLOR AND ODOR:</i>	Colorless with faint disagreeable odor.
<i>CHANGE IN PHYSICAL STATE:</i>	Boiling point at 1 atm: -1°C.
<i>FLASH POINT:</i>	- 40 °C
<i>AUTOIGNITION TEMPERATURE:</i>	Minimum temperature at 1 atm: 410°C.
<i>FLAMMABLE LIMITS IN THE AIR:</i>	Lower limit at 20°C, 1 atm: 1.44 Vol%.
<i>EXPLOSION PROPERTIES:</i>	Upper limit at 20°C, 1 atm: 8.5 Vol%.
<i>VAPOUR PRESSURE:</i>	circa 345 kPa at 20 °C
<i>VAPOUR DENSITY (air=1):</i>	circa 2 at 15 °C
<i>DENSITY(liquid phase):</i>	563 kg.m-3.
<i>SOLUBILITY:</i>	insoluble in water

10 - STABILITY AND REACTIVITY

The liquid gas kept inside the Gas Cartridge is stable at the handling and storage conditions recommended per § 7 of this Safety Data Sheet,

Materials to avoid:

Instabilities mainly characterized by burst may occur when the Energy cell is exposed to excessive heat.

Hazardous decomposition products: CO₂, CO or open flame.

11 - TOXICOLOGICAL INFORMATION

No acute toxicity nor local effect. Used Specification of LPG: Butadien < 0,1%

[Touchable parts tested by BureauVeritas \(report 25413-024-129377\) on Lead, Cadmium, PAH and Phthalates content. All not found or far below limits of REACH regulations.](#)

12 - ECOLOGICAL INFORMATION

The by-products from degradation of Gas Cartridges are CO₂ and H₂O.

13 - DISPOSAL CONSIDERATIONS

Damaged Gas Cartridges are to be returned to distributor or manufacturer.

Empty Gas Cartridges may be disposed at suitable landfill or conformed to the local legislation.

Do not incinerate or puncture.

14 - TRANSPORT INFORMATION

UN Number: 2037

Class: 2, 5F

Transport code: 2(D)



INTERNATIONAL REGULATIONS: **LAND:** RID, RTMD, DoT 49 CFR, ADR
AIR: IATA-DGR, Icao-it.
SEA: OMI, IMDG.

15 - REGULATORY INFORMATION

R12 Extremely flammable.

EU Safety Phrases:

S2 Keep out of the reach of children.

S9 Keep container in a well-ventilated place.

S16 Keep away from sources of ignition – No Smoking.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S53 Avoid exposure – obtain special instructions before use.

Other information: C15 gas cartridge contains liquid petroleum gases. As such it's currently exempt from the health labelling provisions of European Commission Directive 67/548/EEC.

Particular provisions:

Extremely Flammable

Content under pressure

Do puncture or put in a fire.

Keep away from extreme heat

Never expose to heat above 50°C or to prolonged sunlight.

Be sure the Gas Cartridge is detached from any portable appliance when not in use.

Keep away from small children.

Misuse may cause serious injury.

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 product must not be used for any purposes other than those specified under heading 1 without first obtaining 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 given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Each individual Gas Cartridges is tested in compliance to Swedish Match SP 104.

It should be pointed out that the product is not a chemical product as per definition § 3-11 of ISO 11014-1, but only one part of it, is a chemical product.

The Gas Cartridge is designed to bring a safe use of the dangerous chemical product, after careful reading of the safety notice.

However, this Safety Data Sheet has been written as if Gas Cartridges were chemical products. Section 9 does not apply to the Gas Cartridge but to the chemical product confined hermetically in a reservoir equipped with a controlled evaporation system.

The purpose of this Safety Data Sheet is to help the receiver with the use of this product.

This list of information is not exhaustive and do not keep the receiver from making sure that other relevant obligations might specifically be attributed to his concern.

For Europe, within the REACH regulation, the Gas Cartridge is seen as an article containing LPG. LPG, being a liquefied mixture of natural gases, is exempted for REACH as long as the Gas Cartridge is used in the intended manor: Gas should only be released from the Cartridge when placed with unique fitting in an Appliance designed to open it.





Safety Data Sheet
IC-REFL-MAT-BULK-THERMACELL BIG MAT PHIL

Safety Data Sheet dated 18/10/2013, version 3

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier
Mixture identification:
Trade name: IC-REFL-MAT-BULK-THERMACELL BIG MAT PHIL
Trade code: ZSDS17002
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use: Solid insecticide
- 1.3. Details of the supplier of the safety data sheet
Company: ZOBELE HOLDING S.p.A
Via Fersina 4 - 38123 - Trento (Italy)
ZOBELE HOLDING S.p.A - Phone n.+39 0461/303700 (Working hours)
Competent person responsible for the safety data sheet: info@zobebe.com
- 1.4. Emergency telephone number
ZOBELE HOLDING S.p.A - Phone n.+39 0461/303700 (Working hours)

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:
Properties / Symbols:
N Dangerous for the environment
- R Phrases:
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- EC regulation criteria 1272/2008 (CLP):
 Warning, Aquatic Acute 1, Very toxic to aquatic life.
 Warning, Aquatic Chronic 1, Very toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects: No other hazards

2.2. Label elements



N Symbols:
N Dangerous for the environment

- R Phrases:
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- S Phrases:
S2 Keep out of the reach of children.
S29/56 Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Symbols:



- Warning
Hazard statements:
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
- Precautionary statements:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions: None

- 2.3. Other hazards
vPvB Substances: None - PBT Substances: None
Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances - N.A.

3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

21,97 % d-Allethrin;(Pynamin forte); (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl

(1R,3R;1R,3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate

Index number: 006-025-00-3, CAS: 231937-89-6, EC: 209-542-4

Xn,N; R20/22-50/53



3.1/4/Inhal Acute Tox. 4 H332



3.1/4/Oral Acute Tox. 4 H302



4.1/A1 Aquatic Acute 1 H400



4.1/C1 Aquatic Chronic 1 H410

7.69 % Hydrocarbons, C12-C16, isoalkanes,cyclic <2% aromatics

REACH No.: 01-2119456377-30, EC: 927-676-8

Xn; R65-66



2.6/3 Flam. Liq. 3 H226



3.10/1 Asp. Tox. 1 H304

1.92 % Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

REACH No.: 01-2119456810-40, EC: 920-901-0

Xn; R65-66



2.6/3 Flam. Liq. 3 H226



3.10/1 Asp. Tox. 1 H304



3.2/2 Skin Irrit. 2 H315

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:Wash with plenty of water and soap.

In case of eyes contact:In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed - None

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

Treatment: None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

- Suitable material for taking up: absorbing material, organic, sand
6.3. Methods and material for containment and cleaning up - Wash with plenty of water.
6.4. Reference to other sections - See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
- 7.3. Specific end use(s) - None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
Hydrocarbons, C12-C16, isoalkanes, cyclic <2% aromatics
TLV TWA - 200 mg/m³
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
TLV TWA - 1200 mg/l
DNEL Exposure Limit Values - N.A.
PNEC Exposure Limit Values - N.A.
- 8.2. Exposure controls
Eye protection: Not needed for normal use. Anyway, operate according good working practices.
Protection for skin: No special precaution must be adopted for normal use.
Protection for hands: Not needed for normal use.
Respiratory protection: Not needed for normal use.
Thermal Hazards: None
Environmental exposure controls: None

SECTION 9: Physical and chemical properties

- 9.1. Information on basic physical and chemical properties
- | | |
|---|--|
| Appearance and colour: | Blue cardboard insecticide mat weighing about 2100mg |
| Odour: | Characteristic |
| Odour threshold: | N.A. |
| pH: | N.A. |
| Melting point / freezing point: | N.A. |
| Initial boiling point and boiling range: | N.A. |
| Solid/gas flammability: | N.A. |
| Upper/lower flammability or explosive limits: | N.A. |
| Vapour density: | N.A. |
| Flash point: | N.A. |
| Evaporation rate: | N.A. |
| Vapour pressure: | N.A. |
| Relative density: | N.A. |
| Solubility in water: | Partially miscible |
| Solubility in oil: | Partially miscible |
| Partition coefficient (n-octanol/water): | N.A. |
| Auto-ignition temperature: | N.A. |
| Decomposition temperature: | N.A. |
| Viscosity: | N.A. |
| Explosive properties: | N.A. |
| Oxidizing properties: | N.A. |
- 9.2. Other information
- | | |
|--------------------------------------|------|
| Miscibility: | N.A. |
| Fat Solubility: | N.A. |
| Conductivity: | N.A. |
| Substance Groups relevant properties | N.A. |

SECTION 10: Stability and reactivity

- 10.1. Reactivity - -Stable under normal conditions

- 10.2. Chemical stability - Stable under normal conditions
- 10.3. Possibility of hazardous reactions - None
- 10.4. Conditions to avoid - Stable under normal conditions.
- 10.5. Incompatible materials - None in particular.
- 10.6. Hazardous decomposition products - None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:N.A.

Toxicological information of the main substances found in the mixture:

d-Allethrin;(Pynamin forte); (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl
(1R,3R;1R,3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate - CAS: 231937-89-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 900 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat 3.85 mg/l - Duration: 4h

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat 5000 mg/m³ - Duration: 8h
Test: LC50 - Route: Oral - Species: Rat 5000 mg/kg
Test: LC50 - Route: Skin - Species: Rabbit 5000 mg/kg

IC-REFL-MAT-BULK-THERMACELL BIG MAT PHIL -

d-Allethrin;(Pynamin forte); (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl
(1R,3R;1R,3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate - CAS: 231937-89-6

EYE RBT Non-irritant
IHL RAT LC50 >3,875 mg/l
ORL RAT LD50 900 mg/Kg
SKN GPG Non-sensitiser
SKN RBT Non-irritant
SKN RBT LD50 2260 mg/Kg

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

d-Allethrin;(Pynamin forte); (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl
(1R,3R;1R,3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate - CAS: 231937-89-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 0.134 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 0.047 mg/l - Duration h: 48

12.2. Persistence and degradability - None

d-Allethrin;(Pynamin forte); (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl
(1R,3R;1R,3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate - CAS: 231937-89-6
Biodegradability: Non-rapidly degradable - Test: N.A. - Duration: N.A. - %: N.A. - Notes: N.A.

12.3. Bioaccumulative potential - N.A.

12.4. Mobility in soil - N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects - None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

- 14.1. UN number
 ADR-UN number: 3077
 IATA-Un number: 3077
 IMDG-Un number: 3077
- 14.2. UN proper shipping name
 ADR-Shipping Name: Environmentally hazardous substance, solid, N.O.S (d-Allethrin). Limited quantity
 IATA-Technical name: Environmentally hazardous substance, solid, N.O.S (d-Allethrin). Limited quantity
 IMDG-Technical name: Environmentally hazardous substance, solid, N.O.S (d-Allethrin). Limited quantity
- 14.3. Transport hazard class(es)
 ADR-Class: 9
 IATA-Class: 9
 IMDG-Class: 9
- 14.4. Packing group
 ADR-Packing Group: III
 IATA-Packing group: III
 IMDG-Packing group: III
- 14.5. Environmental hazards
 Marine pollutant: Marine pollutant
- 14.6. Special precautions for user
 IMDG-Technical name: Environmentally hazardous substance, solid, N.O.S (d-Allethrin). Limited quantity
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code - No

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
 Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.
 Regulation (EC) nr 648/2004 (detergents).
 1999/13/EC (VOC directive)

15.2. Chemical safety assessment - No

SECTION 16: Other information

Text of phrases referred to under heading 3:

R20/22 Harmful by inhalation and if swallowed.
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R65 Harmful: may cause lung damage if swallowed.
 R66 Repeated exposure may cause skin dryness or cracking.

H332 Harmful if inhaled.
 H302 Harmful if swallowed.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking
 SECTION 2: Hazards identification
 SECTION 3: Composition/information on ingredients
 SECTION 4: First aid measures
 SECTION 8: Exposure controls/personal protection
 SECTION 9: Physical and chemical properties
 SECTION 11: Toxicological information
 SECTION 12: Ecological information
 SECTION 14: Transport information
 SECTION 15: Regulatory information



**ZOBELE
GROUP**

Safety Data Sheet
IC-REFL-MAT-BULK-THERMACELL BIG MAT PHIL

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.