



Safety data sheet
Product: Galxyl C

1. Identification of substance/product and of the company/undertaking

1.1 Identification of the substance or preparation:

Trade name: Galxyl C

Description: White to light-yellow crystalline powder.

Chemical name: tricyclo [8.2.2.2-4,7]hexadeca-4,6,10,12,13,15-haxaene,dichloro

Number CAS: 28804-46-8

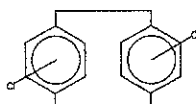
Name CAS: tricyclo [8.2.2.2-4,7]hexadeca-4,6,10,12,13,15-haxaene,dichloro

Number EC: 249-236-8

Formula: C₁₆H₁₄Cl₂

Molecular weight: 277.12

Structure formula:



1.2 Utilization of substance: fine chemicals.

1.3 Company/Undertaking identification: Galentis S.p.A. Via delle Industrie,11 30020 Marcon (VE)

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1.4 Emergency telephone number: +39 041 4567349

Toxicological information centre (Switzerland): (01) 2515151

2. Composition/information on ingredients

Designation: tricyclo [8.2.2.2-4,7]hexadeca-4,6,10,12,13,15-haxaene,dichloro

CAS Number: 28804-46-8 (dichloro); 29716-49-2 (Trichloro); 56486-91-0 (monochloro)

EC number: 249-236-8

Typical composition: > 92.0 % (other compounds: <6.0% of tricyclo [8.2.2.2-4,7]hexadeca-4,6,10,12,13,15-haxaene, Trichloro;

R phrases: R22 do not breathe dust

S phrases: S26 in case of contact with eyes, rinse immediately with immediately with plenty of water and seek medical advice.

S51 use only in well-ventilated areas.

3. Hazards identification

Information pertaining to particular dangers for man and environment: The melted product adheres to the skin and causes burns. If material is spilled there is a hazard of personnel slipping on the product. Possibility production of electrostatic chargings when used.

Additional information: The product might be slightly irritant to the eyes, skin and respiratory organs.

4. First-aid measures

General information: the measures listed below apply to critical situations (fire, incorrect process condition).

After inhalation: in case of excessive inhalation of fumes bring the person into fresh air. Call for medical help. Keep person warm, if necessary give mouth-to-mouth resuscitation, or artificial respiration.

After skin contact: after contact with the molten product, cool rapidly with water and soap.

After eye contact: rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing: seek immediate medical advice.

5. Fire fighting measures

Suitable extinguishing agents: water haze, Foam, Carbon dioxide.

For safety reasons unsuitable extinguishing agents: none.

Special hazards caused by the material, its products of combustion or resulting gases: can be released in case of fire: water, CO₂, and when lacking oxygen CO; the products of the burning are dangerous.



For the powdered product, there is a high risk of explosion that is in direct relation to the diameter of the particles and their concentration in the air. Avoid risk of explosions by equipping the work place with a proper aeration system.

Protective equipment: no special measures required

6. Accidental release measures

Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. Handling and storage

7.1 Handling: Information for safe handling: when handling dust take all precautionary measures necessary. Avoid inhalation of dust. Avoid breathing fumes and fume during the production process. Provide an appropriate suction-, and ventilation system to the working area. Safety equipment see chapter 8. Take precautionary measurements against static electricity.

7.2 Storage: Requirements to be met by storerooms and containers: Standard packing: plastic bottles. **Do not smoke.** Against static electricity take precautionary measures. Earth equipment electrically. Electric safety equipment. Open flames prohibited.

7.3 Information about storage in one common storage facility: not required.

7.4 Further information about storage conditions: store container in a well ventilated position: protect from heat and direct sunlight. Store under dry conditions. Avoid collections of fine particles within storage container, as certain dust concentrations within the air will lead to explosion.

8. Exposure controls/personal protection

8.1 Components with limit values that require monitoring at the workplace: not required.

8.2 Additional exposure limit values for possible processing dangers: inhalable particulates not otherwise classified (PNOC) OEL: 10 mg/m³.

8.3 Personnel protective equipment

General protective and hygienic measures: Do not eat or drink while working. No smoking. Do not inhale dust. Provide work place with a proper deduster, especially when handling with and charging the product. Provide system for collecting the vapours which are created during the working process.

Breathing equipment: If no appropriate ventilation is available use face mask when handling the molten product. Use dust mask at room temperature.

Protection of hands: PVC gloves. Neoprene gloves. Heat resistant gloves.

Eye protection: Safety goggles recommended during refilling.

Body protection: Normal overalls. Safety boots or shoes

9. Physical and chemical properties

Form: Powder. Colour: White. Odour: Odourless

	Value/Range	Unit	Method
Change in condition			
Melting point/Melting range:	166-175°c	°C	
Sublimation temperature/start:	160	°C	(@ 0.05 mmHg)
Flash point: not applicable (see attachment to guideline 92/69/EEC, A.9)			
Danger of explosion: Product is not explosive. See points 5,7.			
Density: 1.34 g/cm ³			
Solubility in / Miscibility with: Water: Insoluble			

10. Stability and reactivity

Incompatibilities: Strong oxidizing agents, strong acids, strong bases.

Hazardous combustion or decomposition products: Carbon monoxide, carbon dioxide, hydrogen chloride.

11. Toxicological information

11.1 Acute toxicity: LD/LC50 values that are relevant for classification: 28804-46-8 tricyclo [8.2.2.2-4,7]hexadeca-4,6,10,12,13,15-haxaene,dichloro. Oral: LD50: > 5000 mg/kg (rat).

11.2 Primary irritant effect: May cause skin irritation. May cause eye irritation. May be harmful by inhalation, ingestion, or skin absorption.



12. Ecological information

Information about elimination (persistence and degradability): The product is not biologically decomposable.

13. Disposal considerations

13.1 Product recommendation: Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

13.2 Uncleaned packaging recommendation: Disposal must be made according to official regulations.

14. Transport information

Transport/additional information: The product is according to national and international guidelines, which regulate the road-, rail-, air-, and sea transport, not dangerous.

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Number EC: 249-236-8

Number ONU: /

15. Regulatory information

Designation according to EC guidelines: The product is classified as not dangerous according to EEC directives 67/548, 88/379 and following adaptations.

R phrases: R22 do not breathe dust

S phrases: S26 in case of contact with eyes, rinse immediately with immediately with plenty of water and seek medical advice.

S51 use only in well-ventilated areas.

Further regulations, restrictions and prohibition regulations. Generally all national regulations regarding this product type apply.

Label information: Trade Name: Galxyl C. Danger symbol: Xi. Indication of danger: Irritant

Other legislation: Switzerland: OFSPT # 611484 Toxicity data n. 4

16. Other information

The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product characteristics. Galentis take no responsibility for inappropriate use, processing and handling by purchasers and users of the product.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Other particular conditions or events requiring additional safety measures should not be excluded and should be considered by the final user. Galentis SpA should not be held liable for any damage resulting from handling or from contact with the above product.

Bibliography:

Directive EEC 67/548 and following adaptations. Directive EEC 88/379 and following adaptations. Directive EEC 91/155 and following adaptations. EINECS/ELINCS

RTECS 8registry of toxic effects of chemical substances 1985-1986 edition)

Frostling, Hof, Jacobson, Pfaffli, Zitting, "Thermal decomposition products from plastics", 2-Polypropylene and poly vinyl chloride, 1983

"1995-1996 Threshold Liwith Values for Chemical Substances and Physical Agents and Biological Expesure Indices", ACGIH (American conference of governmental industrial hygienists)

Report No. 701/144 the "Università degli studi di Milano" (Institute of Pharmacology within the Faculty of Science).

Important: for security and health care of personnel proper training should be provided indicating all instructions about the material.

N.A. : Not applicable

N.D. : Not disposable