

37050 Gamboge

Edition: 22.04.2004

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

Product Information:

Product Name: Gamboge, powder
Article No.: 37050
Application: Artists' and Restauration Material

Company: Kremer Pigmente GmbH & Co. KG
Hauptstrasse 41-47, D - 88317 Aichstetten
Tel. +49 7565 91120 Fax. +49 7565 1606
www.kremer-pigmente.de, kremer-pigmente@t-online.de

2. COMPOSITION / INFORMATION ON INGREDIENTS

C.I. Natural Yellow 24.

Gamboge usually contains about 70 % to 80 % yellow resin, and 15 % to 25 % water-soluble gum. Gamboge is a gum resin produced by a number of *Garcinia* species in the family *Guttiferae* (*Clusiaceae*) which grow in Ceylon, Cambodia and Thailand.

Major constituent: gambogic acid.

3. HAZARD IDENTIFICATION

Hazard designation: T; Toxic

4. FIRST AID MEASURES

General information: TOXIC!
Do not swallow. More than 7 g (adults) are life threatening.
Get medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: foam

6. ACCIDENTAL RELEASE MEASURES

Person-related safety measures: Do not swallow. Do not inhale dust.
Environmental protective measures: Do not allow to enter drains or waterways - dispose of contaminated water/fire-fighting water properly.
Methods of cleaning/adsorption: No special measures required.
Additional information: No special measures required.

7. HANDLING AND STORAGE

Handling: Wear dust mask when handling this product. Be careful when repacking or refilling product.
Storage: Store in cool and dry place in tightly sealed container. Do not inhale dust.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

General protective measures: Careful when refilling! Do not inhale dust.
Hygiene measures: Do not eat or drink while working.
Respiratory protection: breathing mask

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: powder
Color: orange / yellow
Odor: odorless

Changes in physical state:

Melting point/Melting range: not applicable (n.a.)
Boiling point/Boiling range: n.a.
Flash point: n.a.
Inflammability: n.a.
Danger of explosion: n.a.
Vapour pressure: n.a.
Density: n.a.
Solubility: soluble in water, alcohol and ether
pH-value: n.a.

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10. STABILITY AND REACTIVITY

The yellow resin of gamboge is more or less soluble in many organic solvents including most of those commonly used by conservators for cleaning. The presence of the phenolic group leads to a marked color change to orange when an alkali hydroxide is added; an intense greenish blue color is produced with ferric chloride solution.

11. TOXICOLOGICAL INFORMATION

TOXIC !

Do not swallow. More than 7 g (adults) are toxic.

12. ECOLOGICAL INFORMATION

Natural product. Not hazardous to the environment.

13. DISPOSAL CONSIDERATIONS

Consult a local expert for advice on the disposal of the material. Ensure that disposal is in compliance with local and national regulations.

14. TRANSPORT INFORMATION

Transport/Additional information: Non-hazardous.

15. REGULATORY INFORMATION

Designation according to EC guidelines: The material is not subject to classification according to the EEC Directive 67/548/EEC.
It is a natural product.

16. OTHER INFORMATION

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.