

67266 Regalrez® 1126

Date: 06.02.2003

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Information:

Product name: Regalrez® 1126
Article no.: 67266
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

Chemical Description: Hydrogenated hydrocarbon resin
CAS No.: 68132-00-3

3. HAZARDS IDENTIFICATION

Short term exposure: No effects known on humans from discontinuous short-term exposure.
Long term exposure: No permanent effects on humans known from discontinuous long-term exposure when used as directed.
Ecology: Prevent the emission of this product to the environment by blocking access to drains, access to water courses and access to fields.

4. FIRST AID MEASURES

After skin contact: Wash off immediately with plenty of soap and water. Hot resin splashes should be left intact. If necessary consult a doctor.
After eye contact: Treat the solid resin as an inert particle. Irrigate with water for at least 15 minutes. Remove contact lenses for better cleansing. If necessary consult a doctor.
After ingestion: Rinse out mouth with water. Drink large quantities of water. Call a doctor. NEVER give anything by mouth to an unconscious person.
After inhalation: Remove to fresh air. Treat any irritation symptomatically. If necessary consult a doctor.

5. FIRE-FIGHTING MEASURES

Conditions to avoid: Avoid excess dust in the atmosphere since this is an explosion hazard in the presence of electrical sparks and static discharges. Avoid flammable vapors when removing shrink-wrap film from pallets, since these may ignite due to static electricity. Avoid overheating, especially by direct contact with naked

67266 Regalrez® 1126

Date: 06.02.2003

Danger signs:	flames. Avoid static build-up when emptying bags. Earth all equipment and attach a grounding cable to the bag grounding connection. Excessive fumes from overheating the resin.
Fire fighting measures:	Fight the fire using water spray, sand, dry powder, carbon dioxide or foam. Cool packaging by spraying with water.
Protective equipment:	Impervious gloves. Use goggles. Use a dust mask. Good ventilation should be sufficient to control airborne levels.
Combustion products:	Carbon monoxide, carbon dioxide, steam and smoke.

6. ACCIDENTAL RELEASE MEASURES

Protective equipment:	Impervious gloves. Use goggles. Use a dust mask. Good ventilation should be sufficient to control airborne levels.
Spillage:	This product represents little hazard to humans since this material is regarded as not being acutely toxic. Put in a container for reuse or disposal. If necessary use an appropriate absorbent. Residual small amounts can be washed to a sewage system without adverse effect on the performance of the sewage system. Powder and dust should be sprinkled with water.

7. HANDLING AND STORAGE

Handling:	Handle in a well ventilated area. The conditions of use of this resin should be examined to try to reduce fumes and dusting. The fine particles and powder should be regarded as an inert, nuisance dust with a threshold limit value of 10 mg/m ³ for total dust and of 4 mg/m ³ for the respirable portion. When emptying where flammable vapors are present, earth the operator, blanket the vessel with an inert gas and pour this product into a conductive earthed chute. Earth all equipment.
Storage:	Product should be stored, under cover, in a clean well ventilated area. Maintain a clean area by removing dust. Keep away from heat, sparks and other sources of ignition. No smoking. The product is prone to slow oxidation and it is recommended that it be used on a first-in first-out basis.
Packaging material to avoid:	None. The packaging material should have reasonable moisture and air barrier properties.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:	Handle in a well ventilated area. Normal industrial hygiene measures should be sufficient. The conditions of use of this resin should be examined to try to reduce fumes and dusting.
-----------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

67266 Regalrez® 1126

Date: 06.02.2003

Protective equipment: Impervious gloves. Use goggles. Use a dust mask. Good ventilation should be sufficient to control airborne levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: solid
Odor: typical hydrocarbon odor
Color: water clear

Softening point: 123°C
Solubility: Negligible in water at 20°C. Soluble in most aliphatic, aromatics and chlorinated hydrocarbons, ketones and esters. Insoluble in alcohols.

Flash point: > 200°C
Vapor pressure (mm Hg): Essentially non-volatile
Specific gravity (25°C): 0.98 kg/dm³

10. STABILITY AND REACTIVITY

Stability: This product is chemically stable. However, this product is prone to slow depolymerization when heated to high temperatures.

Reactivity: This product has limited chemical reactivity. No hazardous chemicals are known to be formed during the use of this product.

11. TOXICOLOGICAL INFORMATION

Dermal: No effects known
Eyes: No adverse effects known.
Oral: LD50 > 2000 mg/kg.

A 90-day rat feeding study of a similar hydrocarbon resin demonstrated:
NOAL > 2000 mg/kg bodyweight / day.

Inhalation: No effects known.

12. ECOLOGICAL INFORMATION

Acute bacterial cell multiplication inhibition test:
No toxicity threshold value could be determined due to its water insolubility. When similar resins were made into homogeneous suspensions, their toxicity threshold values were between 2200 and 8000 mg/l for *Pseudomonas putida*.

Acute fish toxicity: Based on tests conducted on similar resins this product should be regarded as being non toxic to fish (acute fish 48 hours LC50 > 10 mg/l).

Biodegradability: Based on tests conducted on similar resins it is expected that this product cannot be regarded as readily biodegradable in the Modified Sturm Test. However, it will be very slowly biodegradable.



67266 Regalrez® 1126

Date: 06.02.2003

13. DISPOSAL CONSIDERATIONS

Dispose by controlled incineration or by dumping in an approved landfill area according to local regulations.

14. TRANSPORT INFORMATION

UN Number -	None
Road transport:	ADR - non-hazardous goods
IMO -	non-hazardous goods
IATA -	non-hazardous goods

15. REGULATORY INFORMATION

EC Labelling	None
Risk Phrases	None
Safety Phrases	None

16. OTHER INFORMATION

This information, which describes our product with regard to possible safety requirements, is based on the present state of our knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.