

1. Identification of preparation and of the company

Product name and/or code: PERMOLIT GRAPHITE SPECIAL METAL PAINT

Manufacturer : Akçalı Boya ve Kimya San Tic. AŞ
Akçaburgaz M Mareşal Fevzi Çakmak C No:5 Kıraç
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Product use : all ferrous and non-ferrous substrates

2. Hazards identification

The preparation is classified as dangerous according do Directive 1999/45/EC and its amendments

Classification : R10 - R20/21 - R36/37 - R42

Physical/chemical hazards : Flammable (FP< 21°C)

Human health hazards : S24 avoid contact with skin medical advice
S26 in case of contact with eyes, rinse immediately with plenty of water and seek
S28 After contact with skin, wash immediately with plenty of water
S36/37 wears protective clothing and gloves
S51 use only in well ventilated areas

3. Composition/information on ingredients

Substance presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive

Chemical name	CAS number	%	EC number	LD50 Oral rat mg/kg	LD50 Dermal rat or rabbit mg/kg	LC50 Inhalation rat mg/L 4 hr
Epoxy Ester Resin	Proprietary	30-55 %	N/A	> 2800	> 4200	> 2-5
Pigments	Proprietary	30-35 %	-	N/A	N/A	N/A
Liquid Hydrocarbons	100-88-3	15-20 %	203-625-9	> 2100	> 2100	> 5
Liquid Hydrocarbons	1330-20-7	3-5 %	251-535-7	> 2080	> 6350	> 5
Glycol Ether	111-76-2	1-3 %	203-905-0	> 8700	> 5600	> 3000
Aluminum Paste	7429-90-5	1-5 %	231-072-3	> 2000	> 2000	> 2

(1) Substance classified with a health or environmental hazard

(2) Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in section 8.

4. First-aid measures

[First-aid measures](#)

General

In case of eye contact rinse carefully and thoroughly with water and seek medical advice. In case of skin contact wipe off mechanically and wash affected areas thoroughly with soap and plenty of water. In case of irritation of the respiratory tract or swallowing, consult a doctor.

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5. Fire-fighting measures

General

:

Extinguishing Media: CO₂, foam, dry powder; in case of larger fires, Water spray should be used. In case of fire, formation of Carbon Monoxide is possible. Firemen have to wear self-contained breathing apparatus. Do not let enter contaminated extinguishing water into soil, ground water or surface waters

6. Accidental release measures

- General** :
- Do not empty into drains. Remove sources of fire, ensure adequate ventilation/exhaust ventilation. Keep unauthorized person away.
 - Remove mechanically; cover remainders with wet absorbent material (e.g. Sawdust, woodpowder, chemical binder based on calcium silicate hydrate, sand).
 - After approx one hour transfer to waste container and do not seal. Keep dump in a safe ventilated area for several days. Afterwards, eliminate by incineration.

7. Handling and storage

- General** :
- Keep container dry and tightly closed in a cool and well ventilated place. Further information on the storage conditions which must be observed to preserve quality can be found in our product information sheet.
 - Ensure adequate ventilation or exhaust ventilation in the working area.
 - Exhaust ventilation necessary if products sprayed.
 - Avoid contact with skin and eyes.
 - Provide adequate ventilation and if necessary, air extraction in working areas. Explosion protection required.

8. Exposure controls / personal protection

- General** :
- For exposure controls see chapter 14.
 - Wear suitable protective clothing, protective gloves and protective goggles/mask. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended.
 - In case of hypersensitivity of the respiratory tract (e.g. asthmatics and those who suffer from chronic bronchitis) it is inadvisable to work with the product. Symptoms affecting the respiratory tract can also occur several hours after overexposure.
 - Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at end of the work. Keep working clothes separate. Take off immediately all contaminated clothing.

9. Physical and chemical properties

- Form** : Liquid paint
- Colour** : Metallic shades
- Odor** : Smell of solvent
- Initial boiling point** : Approximately 109 °C
- Density** : Approximately 1200-1250 kg/m³ at 25 °C
- Viscosity** : Approximately 50-60 sec. DIN CUP No:4 at 25°C
- Solubility in water** : Insoluble
- Flash point** : <21 °C
- Evaporation rate (BAC=1)** : <1

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10. Stability and reactivity

Hazardous decompositions products: No hazardous decomposition products when stored and handled correctly.
No reaction with water and organic solvents

11. Toxicological information

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 3 and 15 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Solvents may cause some of the above effects by absorption through the skin. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage.

12. Ecological information

Do not allow to escape into waters, waste water or soil.

13. Disposal considerations

The relevant EU Directives and local, regional and national regulations must be complied with. May be incinerated in a suitable facility provided local regulations are observed. After final product withdrawal, all residues must be removed from containers (drip-free or paste free). Once the product residues adhering to walls of the containers have been rendered harmless, the product and hazard labels must be invalidated. Containers must be recycled in compliance with national legislation and environmental regulations.

14 Transport information

Land-road/railway

UN number : UN 1263
Transport document name : PAINT
ADR/RID Class : 3.
Packing group : III
ADR/RID Label :



Sea:

UN number : UN 1263
Proper shipping name : PAINT
IMDG Class : 3.
Packing group : III
IMDG Label :



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Air:

UN number : UN 1263
Proper shipping name : PAINT
ICAO/IATA Class : 3.
Packing group : III
ICAO/IATA Label :



15. Regulatory information

EU regulations : Labeling in accordance with directive 88/379/EEC (preparations) and its amendments and adaptations

Hazard symbol or symbols :



Harmful

Risk Phrases : **R10** flammable
R20/21 harmful by inhalation and in contact with skin
R36/37/38 irritating to eyes, respiratory system and skin
R42 may cause sensitization by inhalation

Safety phrases : **S23** do not breathe vapor/spray
S24 avoid contact with skin
S26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28 After contact with skin, wash immediately with plenty of water
S36/37 wears protective clothing and gloves
S51 use only in well ventilated areas

16. Other information

Other information: Flash point < 21 °C. Keep dry. Keep separated from foodstuffs
Labeling in accordance with directive 88/379/EEC (preparations) and its amendments and adaptations.

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