

Commercial product name: **PAINT MARKER**
Product No.: **edding 790** Date: 15.04.11
Date of revision: 2003-July-02
Producer/ supplier: edding AG

1 Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation: paint marker ink, e-790
Color No. 1-10, 049

1.2 Company/undertaking identification: edding Aktiengesellschaft
Bookkoppel 7, D-22926 Ahrensburg
Germany, Tel.: +49 (0)4102-808-0

2 Composition/information on ingredients

- substance
 preparation

Chemical characterisation:

Designation	CAS No.	Contents [%]	R/S-Phrases
Iso-Parafin	64742-48-9	29-31	R: 11
Ethylcyclohexane	1678-91-7	20-21	S: 9-16-29-33-3/7/9

3 Hazards identification

Highly flammable liquid

4 First-aid measures

Inhalation: Call physician or consult a doctor after lay down under well ventilated air.
Eyes: Immediately flush with plenty of water and consult a doctor.
Skin: Wash off flowing water with soap.
Ingestion: Consult doctor immediately.

5 Fire-fighting measures

Do not smoke, keep sources of ignition at a distance, do not empty liner bag over drums with ignitable gas mixtures.
Keep away from sources of ignition, keep container tightly closed.
Dry chemical form, carbon dioxide for extinguisher media.

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6 Accidental release measures

Keep working environment in a well ventilated area.

7 Handling and storage**7.1 Handling:** Do not smoke, keep sources of ignition at a distance.**7.2 Storage:** Keep away from sources of ignition. Keep container tightly closed.**8 Exposure controls and personal protection****8.1 Engineering measures:**

Ethylcyclohexane : below 500 Wt ppm

8.2 Specific control parameters/ limit values:

Name	CAS-No.	Parameter
Ethylcyclohexane	1678-91-7	should be below 500 Wt ppm
Ethylcyclohexane	1678-91-7	Flash point 19 °C
		Ignition temp. 262 °C
		Explosions- lower 0.9 %
		limit upper 6.6 %
Iso-Parafin	64742-48-9	Flash point 7 °C
		Ignition temp. 200 °C
		Explosions- lower 1.1 %
		limit upper 8.4 %

8.3 Personal protective equipment:

Respiratory protection: safety mask
Eye protection: goggles
Hand protection: gloves
Others: apron.

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9 Physical and chemical properties

9.1 Appearance: physical state: flammable liquid
colour: Color No. 1-10, 049
odour: aromatic odour

9.2 Safety parameters: pH: n.a.
change in physical state: boiling point: 100.9 °C
melting point: -126.5 °C
flash point: 10 °C
flammability: highly flammable
autoflammability: n.a.
ignition temperature: 200 °C
explosion limits: lower 0.9 %
upper 8.4 %
vapour pressure: 10 mm Hg (25 °C)
relative density: 0.88 - 1.14 g/cm³
oxidising properties: n.a.
solubility: in water: insoluble
in fat: soluble

9.3 Other data:

10 Stability and reactivity

Vapours may catch fire and explode.

11 Toxicological information

Iso-Parafin: LD₅₀ mouse 20.0 g/kg
Ethylcyclohexan: LD₅₀ rat 47.4 mg/kg

12 Ecological information

Reacts vigorously with acids or bases (alkali).

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13 Disposal considerations

Speak to a special waste exchange agent

14 Transport information

GGVSea/ IMDG-Code: 3268 IMDG Hazard Class: 3.2 Grade II

Page-No. of IMDG-Code: 3268

UN-No.: 1263

ICAO/ IATA-Code: Class 3, Grade II

Packing instructions for air freight: PAT305, Y305, CAO307

GGVE/ GGVS (Germany): 3.56

RID/ ADR (EC): 3.56

Packing group: II

EmS-No. (Emergency schedule): 3-06

MFAG-table no.: 305

Marking/ label: H (Flammable Liquid)

15 Regulatory information**15.1 Classification, packaging and labelling of dangerous substances and preparations according to EC-Directives:**

Hazards identification:

R-11: Highly flammable.

S-9: Keep container in a well-ventilated place

S-16: Keep away from sources of ignition – No smoking.

S-29: Do not empty into drains

S-33: Take precautionary measures against static discharges

S-3/7: Keep container tightly closed and on a cold place.

15.2 Further information:

National regulations: n.a.

Marine pollution class: n.a.

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16 Other information

To the best of our knowledge, the information contained herein is accurate. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used in caution, although certain hazards are described herein, we can not guarantee that these are the hazards which exist.