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EC - Safety data sheet

Commercial product name: **PAINT MARKER**
 Product No.: **edding 750, 751 780** Date: 16.07.07
 Producer/ supplier: **edding AG** **791** Date of revision: 2003-July-02
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1 Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation: paint marker ink, e-753
Color No. 053, 054

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

2 Composition/information on ingredients

Chemical characterisation: substance preparation

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, 053, 054, 055
 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:	LD ₅₀ mouse	20.0	g/kg
Ethylcyclohexan:	LD ₅₀ 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.