

Safety Data Sheet (91/155/EEC)

ITW Dykem

Revision date: 11.10.2006 No.: 2,00

BRITE MARK [IV]

00392-0005

1. Identification of the substance/preparation and company

1.1 Commercial product name

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Further product name

40001, 40004, 40010, 41001, 41004, 41010

Colours: orange, green, blue

Use of the substance/preparation

Industrial paint marker

1.2 Information manufacturer/supplier

ITW Dykem

805 E. Old 56 Highway

Olathe, KS 66061

Telephone: 001 913 397 9889 Telefax: 001 913 397 8761

24 Hour Emergency Contact: 001 352 323 3500

2. Composition/information on ingredients

Chemical characterization : (preparation)

Preparation in organic solvents

Hazardous components

(Full text of each relevant R phrase can be found in heading 16)

EC No.	CAS No.	Components	Value	Symbols	R-phrases
202-849-4	100-41-4	ethyl benzene	< 10 %	F, Xn	R11-20
215-535-7	1330-20-7	xylene (mixed isomers)	< 50 %	Xn, Xi	R10-20/21-38
232-489-3	8052-41-3	stoddard solvent	< 10 %	Xn, N	R10-51/53-65-66 67
265-067-2	64741-65-7	naphtha (petroleum)	< 10 %	Xn	R65-66
265-199-0	64742-95-6	solvent naphtha (petroleum)	< 10 %	Xn, Xi, N	R10-37 51/53-65-66-67

3. Hazards identification

Explication of special hazards for human health and environment

Flammable.

Harmful by inhalation and in contact with skin.

Irritating to skin.

Harmful to aquatic organisms, may cause long-term harmful effects in the aquatic environment.

4. First aid measures

General information

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

After inhalation

Move to fresh air in case of accidental inhalation of vapours.

Consult a physician.

If patient is not breathing, apply artificial respiration.

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After contact with skin

Rinse with plenty of water.

Treat subsequently with skin cream.

Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Seek medical treatment by eye specialist.

After ingestion

Do not induce vomiting.

Attention! Beware, danger of aspiration!

Summon a doctor immediately..

Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical, water-spray

Extinguishing media that must not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Fire may produce:

Carbon monoxide and carbon dioxide.

Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

Special protective equipment for firefighters

Use breathing apparatus with independent air supply.

Additional information

Vapours are heavier than air and spread along ground.

The vapour/air mixture is explosive, even in empty, uncleaned receptacles.

Cool containers at risk with water spray jet.

6. Accidental release measures

Personal precautions

In case of vapour formation use respirator.

Use only explosion-proof equipment.

Ensure adequate ventilation.

Remove persons to safety.

Use personal protective clothing.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

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Additional information

Clean contaminated surface thoroughly.

7. Handling and storage

7.1 Handling

Advice on safe handling

Keep container tightly closed.

Vapours are heavier than air and spread along ground.

Avoid contact with the skin and the eyes.

Use only in thoroughly ventilated areas.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition.

Do not smoke.

Take precautionary measures against static discharges.

7.2 Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

Pay attention to anti-explosion rules.

Advice on storage compatibility

Incompatible with:

strong acids and strong bases

strong oxidizing agents, reducing agents

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Storageclass (VCI): 3 A

8. Exposure controls/personal protection

8.1 Exposure limit values

Exposure limits (EH40)

Components CAS No.	Exposure limit ml/m ³	mg/m ³	F/ml	Category	Origin
Ethylbenzene					
100-41-4	100	-		TWA (8 h)	OES
	150	-		STEL (15 min)	OES
Xylene, o-, m-, p- or mixed isomers					
1330-20-7	100	441		TWA (8 h)	OES
	150	662		STEL (15 min)	OES

8.2 Exposure controls

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

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Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Treat subsequently with skin cream.

Take off immediately all contaminated clothing.

Avoid contact with skin, eyes and clothing.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

Hand protection

Protective gloves resistant to chemicals made off viton, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Vitoject 890> made by www.kcl.de

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

Tightly fitting goggles

Body protection

Chemical resistant apron

Long sleeved clothing.

9. Physical and chemical properties

9.1 Appearance

Form: liquid

Colour: various

Odour: aromatic

9.2 Important health, safety and environmental information

Test method

Changes in the physical state

Boiling point: 139 - 141 °C

Flash point: 26 °C

Ignition temperature: n.d. °C

Lower Explosion limit: 1,9 vol. %

Upper Explosion limit: 12,3 vol. %

Vapour pressure: n.d. hPa
(at 20 °C)

Density: > 1 g/ml
(at 20 °C)

Water solubility: negligible g/l
(at 20 °C)

Flow time:
(at °C)

Vapour density: > 1

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Solvent content

< 80 %

Further information

10. Stability and reactivity

Conditions to avoid

Vapour/air mixtures are explosive at intensive warming.
Heating can release vapours which can be ignited.

Materials to avoid

strong acids and strong bases
strong oxidizing agents, reducing agents

Hazardous decomposition products

Carbon monoxide and carbon dioxide
Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

Additional information

No decomposition if stored and applied as directed.

11. Toxicological information

Empirical data on effects on humans

Attention! Beware, danger of aspiration!
Harmful by inhalation and in contact with skin
Irritating to skin.

Additional information

Effects of breathing high concentrations of vapour may include
headache, dizziness, weakness, unconsciousness
Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the
product.
Contact with eyes may cause irritation.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

12. Ecological information

Additional information

Do not flush into surface water or sanitary sewer system.
hazard to waters
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. Advice on disposal

Dispose

Where possible recycling is preferred to disposal.
Can be incinerated, when in compliance with local regulations.

Waste disposal number of Waste from residues / unused product : 080111

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS
(PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS;
wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or
other dangerous substances

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Classified as hazardous waste.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

14. Transport information**14.1 Land transport (ADR/RID)**

ADR/RID: 3
Hazard-no.: 30
UN number: 1263
Hazard label: 3
ADR packaging group: III

Description of the goods:

PAINT

Remarks

"LQ 7: combination packaging: 5 l / 45 l; trays: 5 l / 20 l (20 kg total gross mass)"

14.2 Inland waterways transport**14.3 Marine transport**

IMDG-Code: 3
UN number: 1263
EMS: F-E; S-E
Packaging group: III
Marine pollutant: No

Description of the goods

PAINT

Hazard label: 3

Remarks

Limited quantities (section 3.4): combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass)

14.4 Air transport

ICAO/IATA-DGR: 3
UN/ID number: 1263
Hazard label: 3

IATA-packing instructions - passenger: 309

IATA-max. quantity - passenger: 60 L

IATA-packing instructions - Cargo: 310

IATA-max. quantity - Cargo: 220 L

ICAO-packaging group: III

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Description of the goods

PAINT

14.5 Further Information

15. Regulatory information

15.1 Labelling

Labelling according to EC-guidelines

As an article the product does not need to be labelled in accordance with EC-directives or respective national laws.

15.2 National regulations

Water contaminating class: 2 - water contaminating
1999/13/EC (VOC): < 80 %

16. Other information

List of relevant R phrases

10	Flammable.
11	Highly flammable.
20	Harmful by inhalation.
37	Irritating to respiratory system.
38	Irritating to skin.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.
20/21	Harmful by inhalation and in contact with skin.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other data

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"
