

## Safety Data Sheet (91/155/EEC)

ITW Dykem

Revision date: 11.10.2006 No.: 2,00

Action Marker HD

00392-0027

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### 1. Identification of the substance/preparation and company

#### 1.1 Commercial product name

Action Marker HD (Black, Blue, Green, Red, White, Yellow)

#### Art.-No.:

44171, 44175, 44177, 44179, 44203, 44401, 44819  
91171, 91175, 91177, 91179, 91203, 91401, 91819

#### Use of the substance/preparation

Paint

#### 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

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### 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
203-550-1	108-10-1	4-methylpentan-2-one	65 - 75 %	F, Xn, Xi	R11-20 36/37-66
203-631-1	108-94-1	cyclohexanone	15 - 25 %	Xn	R10-20

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### 3. Hazards identification

Symbols : Highly flammable, Harmful

R-phrases :

Highly flammable.

Harmful by inhalation.

Irritating to eyes and respiratory system.

Repeated exposure may cause skin dryness or cracking.

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### 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**

In case of contact with skin wash off immediately with plenty of water.  
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.  
Summon a doctor immediately..  
Never give anything by mouth to an unconscious person.  
If a person vomits when lying on his back, turn over on his side.

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## **5. Fire-fighting measures**

#### **Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), 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.

#### **Special protective equipment for firefighters**

Wear self-contained breathing apparatus and protective suit.

#### **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.  
Collect contaminated firefighting water separately, must not be discharged into the drains.

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## **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.

#### **Additional information**

Clean contaminated surface thoroughly.

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## 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 oxidizing agents, reducing agents, acids and bases

#### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Storageclass (VCI): 3 A

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## 8. Exposure controls/personal protection

### 8.1 Exposure limit values

#### Exposure limits (EH40)

Components CAS No.	Exposure limit ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
4-Methylpentan-2-one					
108-10-1	50	208		TWA (8 h)	OES
	100	416		STEL (15 min)	OES
Cyclohexanone					
108-94-1	25	102		TWA (8 h)	OES
	100	408		STEL (15 min)	OES

### 8.2 Exposure controls

#### Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

#### Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Take off immediately all contaminated clothing.

Avoid contact with skin, eyes and clothing.

Do not inhale vapours.

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#### Respiratory protection

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

#### Hand protection

Splash protection:

Protective gloves resistant to chemicals made off butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) > 240 minutes, i.e. protective glove <Butoject 898> 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

Eye wash bottle with pure water

#### Body protection

Chemical resistant apron

Long sleeved clothing.

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## 9. Physical and chemical properties

### 9.1 Appearance

Form: liquid

Colour: various

Odour: pungent

### 9.2 Important health, safety and environmental information

#### Test method

#### Changes in the physical state

Boiling point: 117 °C

Flash point: 16 °C

Ignition temperature: n.d. °C

Lower Explosion limit: 1,2 vol. %

Upper Explosion limit: 8 vol. %

Vapour pressure: n.d. hPa  
(at 20 °C)

Density: < 1 g/ml  
(at 20 °C)

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

Vapour density: > 1

#### Solvent content

> 90 %

#### Further information

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## **10. Stability and reactivity**

### **Conditions to avoid**

Vapours may form explosive mixture with air.

### **Materials to avoid**

strong oxidizing agents, reducing agents, acids and bases

### **Hazardous decomposition products**

Carbon monoxide and carbon dioxide

### **Additional information**

No decomposition if stored and applied as directed.

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## **11. Toxicological information**

### **Empirical data on effects on humans**

Harmful by inhalation.

Irritating to eyes and respiratory system.

Repeated exposure may cause skin dryness or cracking.

### **Additional information**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Effects of breathing high concentrations of vapour may include

headache, dizziness, weakness, unconsciousness

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

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## **12. Ecological information**

### **Additional information**

Do not flush into surface water or sanitary sewer system.

Slightly water hazardous.

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## **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

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.

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**14. Transport information**

**14.1 Land transport (ADR/RID)**

ADR/RID: 3  
Hazard-no.: 33  
UN number: 1263  
Hazard label: 3  
ADR packaging group: II

**Description of the goods:**

PAINT

**Remarks**

"LQ 4: combination packaging: 3 I / 12 I; trays: 1 I / 12 I (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: II  
Marine pollutant: No

**Description of the goods**

PAINT

Hazard label: 3

**Remarks**

Limited quantities (chapter 3.4): combination packaging: 1 I / 30 kg (total gross mass); trays: 1 I / 20 kg (total gross mass)

**14.4 Air transport**

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

IATA-packing instructions - passenger: 305  
IATA-max. quantity - passenger: 5 L  
IATA-packing instructions - Cargo: 307  
IATA-max. quantity - Cargo: 60 L

ICAO-packaging group: II

**Description of the goods**

PAINT

**14.5 Further Information**

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