

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

ITW Dykem

Revision date: 11.10.2006 No.: 2,00

### STEEL BLUE LAYOUT FLUID

00392-0025

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

### 1.1 Commercial product name

STEEL BLUE LAYOUT FLUID

### Art.-No.:

80200, 80300, 80400, 80600, 80800, 80900

### 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
200-661-7	67-63-0	propan-2-ol	< 5 %	F, Xi	R11-36-67
203-686-1	109-60-4	propyl acetate	< 5 %	F, Xi	R11-36-66-67
204-658-1	123-86-4	n-butyl acetate	20 - 30 %		R10-66-67
200-578-6	64-17-5	ethanol	30 - 50 %	F R11	
200-751-6	71-36-3	butan-1-ol	< 20 %	Xn, Xi	R10-22-37/38 41-67

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## 3. Hazards identification

Symbols : Highly flammable, Irritant

R-phrases :

Highly flammable.

Risk of serious damage to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

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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

Wash off immediately with soap and 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

Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), 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
Propan-2-ol 67-63-0	400 500	999 1250		TWA (8 h) STEL (15 min)	OES OES
n-Propyl acetate 109-60-4	200 250	849 1060		TWA (8 h) STEL (15 min)	OES OES
Butyl acetate 123-86-4	150 200	724 966		TWA (8 h) STEL (15 min)	OES OES
Ethanol 64-17-5	1000 -	1920 -		TWA (8 h) STEL (15 min)	OES OES
Butan-1-ol 71-36-3	- 50	- 154		TWA (8 h) STEL (15 min)	OES OES

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## 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.

### 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) > 60 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: blue

Odour: sweetish

### 9.2 Important health, safety and environmental information

#### Test method

#### Changes in the physical state

Boiling point: 76 - 125 °C

Flash point: 11 °C

Ignition temperature: n.d. °C

Lower Explosion limit: 1,4 vol. %

Upper Explosion limit: 19,0 vol. %

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

Density: 0,85 g/ml  
(at 20 °C)

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

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Vapour density: > 1

#### Solvent content

< 95 %

#### 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

risk of strong eye injuries

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

#### 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.

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#### 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

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#### 14.5 Further Information

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#### 15. Regulatory information

##### 15.1 Labelling

###### Indication of danger

F - Highly flammable; Xi - Irritant

###### Labelling according to EC-guidelines

According to EC-regulations the product is to be labelled as follows:

###### R phrases

11-41-66-67

Highly flammable.

Risk of serious damage to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

###### S phrases

09-16-23-26-35-39

Keep container in a well-ventilated place.

Keep away from sources of ignition - No smoking.

Do not breathe vapour .

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

This material and its container must be disposed of in a safe way.

Wear eye/face protection.

##### 15.2 National regulations

Water contaminating class: 1 - slightly water contaminating  
1999/13/EC (VOC): < 95 %

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#### 16. Other information

##### List of relevant R phrases

10	Flammable.
11	Highly flammable.
22	Harmful if swallowed.
36	Irritating to eyes.
41	Risk of serious damage to eyes.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.
37/38	Irritating to respiratory system and skin.

##### 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)"

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