

# Material Safety Data Sheet

according to Regulation (EC) 1907/2006



**Product name :** Monoclean X401 blue  
**Revision :** 28.02.2013  
**Print date :** 09.04.2013  
**Version (Revision) :** 6.2.0 (6.1.1)

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Monoclean X401 blue

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Coating material for industrial application

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier :** MONOPOL AG  
**Street/P.O.Box :** Oberrohrdorferstrasse 51  
**Country code/Postal code/Town/City :** CH-5442 Fislisbach  
**Telephone :** +41 56 484 77 77  
**Telefax :** +41 56 484 77 99

### 1.4 Emergency telephone number

+41 44 251 51 51

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

**Directive 67/548/EEC or 1999/45/EC**

-

**Regulation (EC) No 1272/2008 (GHS)**

-

### 2.2 Label elements

**Directive 67/548/EEC or 1999/45/EC**

**Special designation for certain preparations**

101 Safety data sheet available for professional user on request.

**Regulation (EC) No 1272/2008 (GHS)**

**Special rules for supplemental label elements for certain mixtures**

EUH210 Safety data sheet available on request.

### 2.3 Other hazards

None.

## 3. Composition/information on ingredients

### 3.2 Mixtures

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## Chemical characterization

paint material, waterborne

## Hazardous components

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT / Kerosine - UNSPECIFIED ; EC-No. : 265-149-8; CAS-No. : 64742-47-8

	Percentage :	1
- 5 %		
Classification 67/548/EEC :	Xn ; R65	
Classification 1272/2008 (GHS) :	Asp. Tox. 1 ; H304	

For the wording of the listed risk phrases refer to section 16.

## 4. First aid measures

### 4.1 Description of first aid measures

#### General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

#### After inhalation

Take the casualty into the fresh air and keep warm. Keep at rest. Irregular breathing/no breathing: artificial respiration. Unconsciousness: lateral position - call a physician.

#### After skin contact

Immediately remove all contaminated clothing. Wash away with soap and water and rinse. Do NOT use solvents or thinners.

#### After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

#### After ingestion

Contact a doctor immediately. Keep at rest. Do not induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

None known.

### 4.3 Indication of any immediate medical attention and special treatment needed

None.

## 5. Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray.

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## Unsuitable extinguishing media

Waterjet.

### 5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

### 5.3 Advice for firefighters

Appropriate breathing apparatus may be required.

### 5.4 Additional information

Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Remove ignition sources. Provide for sufficient ventilation. Do not inhale the vapour. Refer to protective measures listed in sections 7 and 8.

### 6.2 Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

### 6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

### 6.4 Reference to other sections

None.

## 7. Handling and storage

### 7.1 Precautions for safe handling

#### Information for safe handling

Prevent the creation of inflammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the OEL (=Occupational Exposure Limit). Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid contact with skin and eyes. Do not inhale the vapour. Do not eat or drink during work - no smoking. Comply with the health and safety at work laws. For personal protection see Section 8. Gas mask in case of spray processing.

#### Information about protection against explosions and fires

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements to be met by storerooms and containers

Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical

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equipment should be protected to the appropriate standard. Floors should be of the conducting type.

## Information about separation of incompatible products

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

## Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep away from ignition sources - No smoking. Keep containers dry and cool. Keep containers in a well-ventilated place. Comply with the health and safety at work laws.

**Storage class :** 10  
**Storage class (TRGS 510) :** 10

## 7.3 Specific end use(s)

None.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

None.

### 8.2 Exposure controls

#### Personal protective equipment

##### Respiratory protection

If workplace limits are exceeded, a gas mask approved for this purpose must be worn.

##### Hand protection

Solvent-resistant protective gloves must be worn. For prolonged or repeated handling, use barrier creams to protect the exposed areas of the skin.

##### Eye protection

Use safety glasses.

##### Body protection

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact. After skin contact wash thoroughly with soap and water or use recognised skin cleanser. Do Not use solvents or thinners.

## Additional information about engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit) , suitable respiratory protection must be worn.

## 9. Physical and chemical properties

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## 9.1 Information on basic physical and chemical properties

### Image

**Form :** Pasty.  
**Colour :** Coloured.  
**Odour :** Characteristic.

### Relevant safety data

<b>Boiling temperature / boiling range :</b>	( 1013 hPa )		not applicable
<b>Flash point :</b>	65	°C	
<b>Vapour pressure :</b>	( 50 °C )	not applicable	
<b>Density :</b>	( 20 °C )	1	g/cm <sup>3</sup>
<b>Solvent separation test :</b>	( 20 °C )	< 3	%
<b>Flow time :</b>	( 20 °C )	> 100	s

## 9.2 Other information

None.

## 10. Stability and reactivity

### 10.1 Reactivity

There are no data available on the product itself.

### 10.2 Chemical stability

There are no data available on the product itself.

### 10.3 Possibility of hazardous reactions

There are no data available on the product itself.

### 10.4 Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

### 10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### 10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

## 11. Toxicological information

### 11.1 Information on toxicological effects

There are no data available on the product itself.

### 11.2 Experience on practice

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

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## 11.3 Additional toxicological information

There no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See Sections 2 and 15 for details.

## 12. Ecological information

### 12.1 Toxicity

There are no data available on the product itself.

### 12.2 Persistence and degradability

There are no data available on the product itself.

### 12.3 Bioaccumulative potential

There are no data available on the product itself.

### 12.4 Mobility in soil

There are no data available on the product itself.

### 12.5 Results of PBT and vPvB assessment

There are no data available on the product itself.

### 12.6 Other adverse effects

There are no data available on the product itself.

### 12.7 Additional information

There are no data available on the product itself. Do not empty into waters or drains.

## 13. Disposal considerations

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

### 13.1 Waste treatment methods

There are no data available on the product itself.

## 14. Transport information

### 14.1 UN number

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

### 14.2 UN proper shipping name

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

### 14.3 Transport hazard class(es)

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

### 14.4 Packing group

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

### 14.5 Environmental hazards

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

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## 14.6 Special precautions for user

None.

## 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulatory information

##### Water pollution classification

Class : 1 Classification according to VwVwS

### 15.2 Chemical safety assessment

There are no data available on the product itself.

## 16. Other information

### Further information

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

#### Relevant changes

02.2 GHS - Precautionary statements

#### R-Phrases of components

65 Harmful: may cause lung damage if swallowed.

#### GHS Hazard statements of components

H304 May be fatal if swallowed and enters airways.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.