

## Safety Data Sheet directive 91/155/EEC

### 1. Identification of the preparation and company

**Product name: Process black**  
**Code: HIU32S01**

**Intended use:** Printing inks and varnishes for professional users

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### 2. Composition / Information on ingredients

Substances presenting a health hazard within the meaning of dangerous  
Substances directive 67/548/EWG:

Name	EEC No.	Conc.	Symbol	R-Phrase
Trimethylolpropane triacrylate	607-111-00-9	20-50 %	XI	R36/38/R43
Methylthiophenylmorpholinobutanone		1-5 %	XN	R22/R51/R53
Acrylates	607-133-00-9	20-50 %	XI	R36/37/38

### 3. Hazards identification of the preparation

Symbols: Xi – irritant

R36/38 Irritating to eyes and skin

R43 May cause sensitization by skin contact

### 4. First aid measures

**General:** In all cases of doubt, when symptoms persist, seek medical attention.  
**Never administer anything by mouth to an unconscious person.**

**Inhalation:** Remove to fresh air, keep patient warm and at rest. If unconscious, place in recovery position and seek medical advice.

**Eye contact:** Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

**Skin contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. **Do not use solvents or thinners.**

**Ingestion:** If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

## 5. Fire fighting measures

Recommended: Alcohol resistant foam, Co2, powders, water spray

Not to be used: Jet of water

### **Recommendations:**

Fire may produce dense smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow run off from fire fighting to enter drains or watercourses.

## 6. Accidental release measures

### **Personal related precautionary measures:**

Exclude sources of ignition and ventilate the area. Avoid breathing vapours or dusts. See the protection measures mentioned in sections 7 and 8.

### **Spillage control:**

Contain and collect spillage with non-combustible absorbent materials (e.g. sand, earth, vermiculite,..) and place in container for disposal according to local regulations (see section 13).

Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvent.

### **Environmental protection:**

If the product contaminates lakes, rivers or sewers, inform appropriate authorities in accordance with local regulations.

## 7. Handling and Storage

Handling: Before any handling, see sections 3-8-11.

Persons with a history of skin sensitization problems should not be employed in any process in which this preparation is used.

Contact: Avoid skin and eye contact. Avoid inhalation of vapour or dust. Smoking, eating and drinking should be prohibited in application area.

For personal protection see section 8.

Never use pressure to empty: container is not a pressure vessel.

Always keep in containers of same material as the original one. Comply with the health and safety at work laws.

Storage: Observe eventual label precautions. Store secured from frost in a dry well ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition. No smoking. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## 8. Exposure controls / personal protection

Engineering measures:	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
Exposure limits:	substances– values
Personal protection:	
Respiratory protection:	No particular measures
Hand protection:	Wear appropriate protective gloves. Barrier creams may help to protect the exposed areas of the skin, they should be however not be applied once exposure has occurred.
Eye protection:	Use safety eyewear designed to protect against splash of liquids
Other:	Wear appropriate work clothing.

## 9. Physical and chemical properties

Physical state:	Paste
Colour:	black
Odour:	
Solubility in water:	no
Solubility in other solvents:	CETONES, ESTERS TEIL
Density:	
PH:	
Viscosity:	11000 MM <sup>2</sup> /S
Initial distillation temperature:	349,00 °C
Flash point:	101,00 °C
Combustibility:	Not applicable. (according norm NF 64-024-hydro-alcoholic preparations)
Ignition temperature:	315,00 °C
Melting point:	Not applicable
Lower explosion limit:	not measured
Upper explosion limit:	not measured

## 10. Stability and reactivity

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

This preparation contains materials which are unstable under the following conditions: exposure to temperature higher than 40°C, to strong UV-sources, prolonged exposure to light. These could cause the product to polymerise exothermically.

## 11. Toxicological information:

There is no data available on the preparation itself.

The components of the preparation present some known toxicological risks. Acrylic components of the preparation have irritating properties. Prolonged or repeated contact with the skin or mucous membrane may result in irritation symptoms such as redness, blistering, dermatitis, etc. Cases of allergic skin reactions have been observed.

The liquid splashed in the eyes may cause irritation. The inhalation of aerial droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause collapse, severe respiratory difficulties and central nervous system stimulation.

## 12. Ecological information

There is no data available on the preparation itself. The product should not be allowed to enter drains or watercourses.

## 13. Disposal considerations

Do not empty into drains or watercourses. Waste and emptied containers must be disposed in accordance with local regulations.

## 14. Transport information

The preparation must be transported according to the following regulations. Not applicable.

RTMD-R/ADR (Road)	Class:	Item:	UN-No:
IMDG (Sea)	Class: EMS-No:	MFAG-No:	Packing group: UN-No:
ICAO/IATA (Air)	Class: Packing group:		UN-No:

## 15. Regulatory information

According to Directive 88/379/CEE, the preparation is regulated as follows:

Symbol: Xi Irritant  
 Contains: Trimethylolpropantriacylat

R-Phrases: R36/38: Irritating to eyes and skin  
 R43: May cause sensitization by skin contact

S-Phrases: S24 Avoid contact with skin  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise  
 S37 Wear suitable gloves  
 S51 Use only in well ventilated areas

## 16. Other information

Full text of R-Phrases with N° appearing in section 2:

R36/38	Irritating to eyes and skin
R43	May cause sensitization by skin contact
R22	Harmful if swallowed
R51	Toxic to aquatic organisms
R53	May cause long-term adverse effects in the aquatic environment
R36/37/38	Irritating for eyes, respiratory system and skin

The information of this MSDS is based on the present state of our knowledge and on current EEC and national laws, as the users working conditions are beyond our knowledge and control.

The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation.

The information in this MSDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products properties.

The information in this MSDS is required pursuant to the Directive 91/155/EEC.