

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY / UNDERTAKING

PREPARATION NAME : **WB12**

USE : Water Based Fluorescent MPI Concentrate.

COMPANY IDENTIFICATION : MAGNAFLUX® a Div of ITW LTD  
FARADAY RD, SOUTH DORCAN IND EST,  
SWINDON, ENGLAND, SN3 5HE

EMERGENCY TELEPHONE : 01793 524566

### 2. COMPOSITION INFORMATION ON INGREDIENTS

<u>INGREDIENT NAME</u>	<u>EC No</u>	<u>CAS No</u>	<u>% W/W</u>	<u>SYMBOL</u>	<u>R PHRASES *</u>
ALKANOLAMINE BLEND	-	-	> 50	-	-
ALCOHOL ETHOXYLATE	-	-	< 10	Xn	R22, R36, R38
WATER	231-791-2	7732-18-5	25 - 50	-	-
MAGNAGLO 14A (Iron Oxide Base *)	-	-	5 - 25	-	-

\* Iron oxide coated with fluorescent pigment

**Other Ingredients** : < 1 %.Silicone antifoam and biocide.

Note : Risk phrases in this section apply only to raw materials, not necessarily to finished products. See section 15.

\*See Section 16 for risk phrase text

### 3. HAZARDS IDENTIFICATION

Frequent or prolonged contact with the concentrated product may irritate skin and eyes.  
Spilled liquid may present a slip hazard.

### 4. FIRST AID

**EYE CONTACT** ➤ Flush eyes with large amounts of water for at least 10 minutes and seek medical attention if irritation persists.

**SKIN CONTACT** ➤ Flush with water, use soap if available. Contaminated clothing should be washed before re-use.

**INHALATION** ➤ Remove to fresh air. Keep at rest. Call for medical attention.

**INGESTION** ➤ Rinse mouth with water and clear nasal passages. Give a tumbler of water to drink and seek medical attention.

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## 5. FIRE FIGHTING MEASURES

- EXTINGUISHING MEDIA** ➤ Carbon dioxide, Foam, Dry chemical, Water fog or spray.
- SPECIAL FIRE FIGHTING PROCEDURES** ➤ Material is non flammable, but is combustible.  
If possible keep unaffected containers cool with water spray.
- HAZARDOUS DECOMPOSITION PRODUCTS** ➤ Smoke and soot on combustion. No hazardous decomposition Products.
- PROTECTIVE EQUIPMENT** ➤ Suitable protective clothing should be worn in fire fighting conditions.

## 6. ACCIDENTAL RELEASE MEASURES

- SPILL CLEAN UP METHODS** ➤ Contain spilled liquid with sand or earth. Mop up or absorb onto an inert absorbent.
- ENVIRONMENTAL PRECAUTIONS** ➤ Prevent product from entering drains sewers and watercourses.  
Notify the Environment Agency or water authorities if a major incident occurs. Prevent chemical contaminating soil.
- PERSONAL PRECAUTIONS** ➤ Wear suitable protective clothing as appropriate.

## 7. HANDLING & STORAGE

- USAGE PRECAUTIONS** ➤ Wear suitable protective clothing such as chemical resistant gloves & apron. Avoid contact with the skin and eyes.
- STORAGE PRECAUTIONS** ➤ Store in a cool dry area away from heat and sources of ignition.  
Recommended storage temperature ➤ 10°C to 30°C.  
Keep containers out of direct sunlight. Keep containers closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure figures may have been set for some of the components of this preparation based on EH-40 (latest revision) or manufacturers recommendation. **RD** = Respirable Dust  
**TID** = Total inhalable dust. **MRL** = Manufacturers recommended limit **OES** = Occupational exposure standard

**INGREDIENT NAME**

**STD**

**LT Exp (8 Hrs)**

**ST Exp (15 Min)**

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## WORKPLACE EXPOSURE

Concentrations of product mists and dusts in the working atmosphere must be kept as low as is reasonably practicable. Exposure should be minimised by the use of appropriate containment, engineering control and ventilation measures. Where this is not possible, personal protective equipment should be worn as indicated below where appropriate.

- Respiratory protection** ➤ Not generally required under normal conditions of use.
- Hand protection** ➤ Use chemical resistant gloves recommended by glove manufacturer as being suitable for detergents if hand exposure is unavoidable.
- Eye protection** ➤ Wear goggles/face mask to protect eyes from splashes.
- Skin protection** ➤ Wear overalls if skin contact is likely.

## 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE	:	BROWN VISCOUS LIQUID
ODOUR	:	BLAND
pH (1%)	:	9.0
BOILING POINT	:	100°C
MELTING POINT	:	N/A
FLASH POINT (PMCC)	:	N/A
FLAMMABILITY (Limits in Air)	:	N/A
AUTOFLAMMABILITY	:	N/D
EXPLOSIVE PROPERTIES	:	N/A
OXIDISING PROPERTIES	:	N/A
VAPOUR PRESSURE	:	N/A
VAPOUR DENSITY (Air = 1)	:	1
RELATIVE DENSITY	:	1.2 g/cm <sup>3</sup>
SOLUBILITY IN WATER	:	90%
PARTITION COEFFICIENT	:	N/A
EVAPORATION RATE (BuAc = 100)	:	< 0.1
VISCOSITY (ASTM D-445)	:	N/A

N/A = Not Applicable.      N/D = Not Determined.      Properties relate to the bulk liquid only unless otherwise stated.

## 10. STABILITY & REACTIVITY

- STABILITY** ➤ Stable under normal conditions of use and applications
- HAZARDOUS POLYMERISATION** ➤ None.
- MATERIALS & CONDITIONS TO AVOID** ➤ Acidic materials. Strong oxidising agents.
- HAZARDOUS DECOMPOSITION PRODUCTS** ➤ None under normal conditions of storage and use.  
Smoke and soot on combustion.

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## 11. TOXICOLOGICAL INFORMATION

- INHALATION** ➤ Not a likely route of entry due to the products low volatility. The product presents no appreciable inhalation hazard when dissolved in water at the working strength, however inhalation of product mist when spraying, can be irritating to the respiratory tract.
- INGESTION** ➤ Not a likely route of entry, however, ingestion may cause irritation of the mouth, throat and digestive tract.
- EYE CONTACT** ➤ May produce Irritation.
- SKIN CONTACT** ➤ Frequent or prolonged contact with the product may irritate sensitive skin. No evidence of sensitisation potential.
- CHRONIC TOXICITY** ➤ Ingredients in this preparation are not classified as carcinogenic or mutagenic according to the CHIP 3 regulations.

## 12. ECOLOGICAL INFORMATION

### ***Based on data for component materials.***

WB12 is predicted to have a low potential to bioaccumulate.

The product is considered to be a low to moderate toxic hazard to aquatic organisms.

Iron oxide constituent of WB12 is insoluble in water and can be separated mechanically or by sedimentation.

Biodegradability is expected to be moderate. Surfactant content of product complies with the biodegradability requirement of the detergents regulation (EC) No 648/2004.

## 13. DISPOSAL

Seek the advice of an approved waste disposal contractor for disposal at a licensed facility in accordance with local, state or national legislation.

## 14. TRANSPORT INFORMATION

NOT CLASSIFIED FOR TRANSPORTATION

UN Number	-
UN Class	-
Proper Shipping Name	-
IMO / IMDG	-
IATA / ICAO	-
RID / ADR	-

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## 15. REGULATORY INFORMATION

### LABEL FOR SUPPLY

### RISK PHRASES

### SAFETY PHRASES

S24/25	Avoid contact with skin & eyes.
S36	Wear suitable protective clothing.

### Regulatory References

- ⇒ Health & Safety at Work Act 1974
- ⇒ Control of Substances Hazardous to Health Regulations 1988
- ⇒ Occupational Exposure Limits EH 40
- ⇒ Chemical (Hazard Information & Packaging for Supply) Regulations 2002. (CHIP 3)
- ⇒ EC Directive 91/155/EEC
- ⇒ Dangerous Preparations Directive 1999/45/EC
- ⇒ Dangerous Substances Directive 67/548/EEC as modified.

## 16. OTHER INFORMATION

### R Phrases in full

R22	Harmful if swallowed.
R36	Irritating to eyes.
R38	Irritating to skin.

**Revision Date : 01/03/2006    Rev : 02**

Replaces Rev 01 (01/11/01)

*Revision Summary : SDS updated in compliance with the Chemical (Hazard Information & Packaging for Supply) Regulations 2002. (CHIP 3)*