

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. PRODUCT IDENTIFIER

Product form : Mixture  
 Product name : Magnaglo® MF-655 WB

### 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

#### 1.2.1. Relevant identified uses

Main use category : Industrial use  
 Use of the substance/mixture : Non-Destructive Testing.

#### 1.2.2. Uses advised against

No additional information available

### 1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Magnaflux® (A Division of ITW Ltd)  
 Faraday Road, South Dorcan Industrial Estate  
 SN3 5HE Swindon - UK  
 T +44 (0)1793 524566 - F +44 (0)1793 490459  
[support.eu@magnaflux.com](mailto:support.eu@magnaflux.com) - [www.eu.magnaflux.com](http://www.eu.magnaflux.com)

### 1.4. EMERGENCY TELEPHONE NUMBER

Emergency number : DURING OFFICE HOURS, CALL T: +44 (0)1793 524566 (English only) [Office hours (GMT) Monday - Thursday 8am - 5pm, Friday 8am - 4pm];  
 OUT OF OFFICE HOURS, CALL T: +44(0)203 394 9866

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified.

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. LABEL ELEMENTS

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH208 - Contains 1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol, .alpha.,.alpha.',.alpha."-trimethyl-. May produce an allergic reaction.  
 EUH210 - Safety data sheet available on request.  
 Unknown acute toxicity (CLP) - SDS : 4.73% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
 34.04% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))  
 Unknown hazards to the aquatic environment (CLP) : Contains 7.16 % of components with unknown hazards to the aquatic environment

### 2.3. OTHER HAZARDS

No additional information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. SUBSTANCES

Not applicable

### 3.2. MIXTURES

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,3-Propanediamine, N-(3-aminopropyl)-N-dodecyl-	(CAS-No.) 2372-82-9 (EC-No.) 219-145-8	< 1	Acute Tox. 2 (Oral), H300
1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol, .alpha.,.alpha.',.alpha."-trimethyl-	(CAS-No.) 25254-50-6 (EC-No.) 246-764-0	< 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317

Full text of H-statements: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. DESCRIPTION OF FIRST AID MEASURES

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### 4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
- Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking. Contains 1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol, .alpha.,.alpha.',.alpha."-trimethyl-. May produce an allergic reaction.
- Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### 4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. EXTINGUISHING MEDIA

- Suitable extinguishing media : Carbon dioxide. Dry chemical. Foam. Water spray or fog.
- Unsuitable extinguishing media : Do not use water jet.

### 5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. Irritating fumes.

### 5.3. ADVICE FOR FIREFIGHTERS

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Cool closed containers exposed to fire with water spray.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. ENVIRONMENTAL PRECAUTIONS

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

- For containment : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
- Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.
- Other information : Spilled material may present a slipping hazard.

### 6.4. REFERENCE TO OTHER SECTIONS

For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: HANDLING AND STORAGE

### 7.1. PRECAUTIONS FOR SAFE HANDLING

- Precautions for safe handling : Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes and clothing. Do not swallow. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Handle and open container with care.
- Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

**7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Storage conditions	: Keep out of the reach of children. Store tightly closed in a dry, cool and well-ventilated place. Keep away from ignition sources. Keep only in the original container. Keep out of direct sunlight.
Storage temperature	: 10 - 30 °C

**7.3. SPECIFIC END USE(S)**

Not available.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. CONTROL PARAMETERS**

No additional information available

**8.2. EXPOSURE CONTROLS****Appropriate engineering controls:**

Ensure good ventilation of the work station.

**Hand protection:**

Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

**Eye protection:**

Safety eyewear complying with an approved standard such as the European Standard EN166 should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Environmental exposure controls:**

Avoid release to the environment.

**Other information:**

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	: Liquid
Appearance	: Clear
Colour	: Yellow
Odour	: Odourless
Odour threshold	: No data available
pH	: No data available
pH solution	: 9.05 (1% solution)
Relative evaporation rate (butylacetate=1)	: < 0.1 (BuAC = 100)
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 110 °C
Flash point	: > 120 °C [PMCC]
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: 1 (air = 1)
Relative density	: 1.085
Solubility	: Water: 100%
Partition coefficient n-octanol/water	: No data available
Viscosity, kinematic	: < 50 mm <sup>2</sup> /s @ 38 °C [ASTM D445]
Viscosity, dynamic	: No data available

Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

## 9.2. OTHER INFORMATION

No additional information available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. REACTIVITY

No dangerous reactions known under normal conditions of use.

### 10.2. CHEMICAL STABILITY

Stable under normal conditions.

### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known under normal conditions of use.

### 10.4. CONDITIONS TO AVOID

Sources of ignition. Heat. Incompatible materials. Direct sunlight.

### 10.5. INCOMPATIBLE MATERIALS

Strong oxidizing agents. Acids. Alkalis.

### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

May include, and are not limited to: oxides of carbon. Irritating fumes.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.

#### 1,3-Propanediamine, N-(3-aminopropyl)-N-dodecyl- (2372-82-9)

LD50 oral rat	50 - 300 mg/kg
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Unknown acute toxicity (CLP) - SDS	: 4.73% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 34.04% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))
Skin corrosion/irritation	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Serious eye damage/irritation	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	: Not classified. Contains 1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol, .alpha.,.alpha.'.alpha."-trimethyl-. May produce an allergic reaction.
Additional information	: Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Reproductive toxicity	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
STOT-single exposure	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
STOT-repeated exposure	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.

#### Magnaglo® MF-655 WB

Viscosity, kinematic	< 50 mm <sup>2</sup> /s @ 38 °C [ASTM D445]
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Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. TOXICITY

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Unknown hazards to the aquatic environment (CLP) : Contains 7.16 % of components with unknown hazards to the aquatic environment  
 Acute aquatic toxicity : Not classified.  
 Chronic aquatic toxicity : Not classified.

### 12.2. PERSISTENCE AND DEGRADABILITY

Magnaglo® MF-655 WB	
Persistence and degradability	Not established.

### 12.3. BIOACCUMULATIVE POTENTIAL

Magnaglo® MF-655 WB	
Bioaccumulative potential	Not established.

### 12.4. MOBILITY IN SOIL

No additional information available

### 12.5. RESULTS OF PBT AND VPVB ASSESSMENT

No additional information available

### 12.6. OTHER ADVERSE EFFECTS

Additional information : No other effects known

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. WASTE TREATMENT METHODS

Product/Packaging disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

## SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / IATA / IMDG

### 14.1. UN NUMBER

UN-No. (ADR) : Not applicable

UN-No. (IMDG) : Not applicable

UN-No. (IATA) : Not applicable

### 14.2. UN PROPER SHIPPING NAME

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

### 14.3. TRANSPORT HAZARD CLASS(ES)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

### 14.4. PACKING GROUP

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

### 14.5. ENVIRONMENTAL HAZARDS

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available.

### 14.6. SPECIAL PRECAUTIONS FOR USER

Special transport precautions : Do not handle until all safety precautions have been read and understood.

**- Overland transport**

Not applicable

**- Transport by sea**

Not applicable

**- Air transport**

Not applicable

**14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE**

Not applicable

**SECTION 15: REGULATORY INFORMATION**

**15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

**15.1.1. EU-Regulations**

Contains no REACH substances with Annex XVII restrictions

Contains no REACH candidate substance.

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

**15.1.2. National regulations (Germany):**

**Wassergefährdungsklasse (water hazard class):** WGK1 - Low hazard to waters.

**TechnischeAnleitungLuft (TA-Luft):** Class 5.2.5 Organic Substances, except dusts.

**15.2. CHEMICAL SAFETY ASSESSMENT**

No chemical safety assessment has been carried out

**SECTION 16: OTHER INFORMATION**

Indication of changes:

CLP classification. Composition/information on ingredients.

Abbreviations and acronyms:

<p>°C – Degrees Celsius          °F – Degrees Fahrenheit          ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.          ACGIH – American Conference of Governmental Industrial Hygienists          ATE – Acute Toxicity Estimate          BCF – Bioconcentration Factor          BEI – Biological Exposure Index          CAS – Chemical Abstracts Service          CLP – Regulation (EC) No 1272/2008 on the Classification, Labeling and Packaging of substances and mixtures.          cP – centipoise (unit of dynamic viscosity)          cSt – centistokes (unit of kinematic viscosity)          DNEL – Derived No-effect Level          EC50 – Half maximal effective concentration          ECHA – European Chemicals Agency          EC-No. – European Community number          EU – European Union          GHS – Globally Harmonized System of Classification and Labelling of Chemicals          h – Hours          IATA – International Air Transport Association          IDLH – Immediately Dangerous to Life or Health          IMDG – International Maritime Dangerous Goods          IOELV – Indicative Occupational Exposure Limit Value          kPa – kilopascal          Kow – Octanol-Water Partition Coefficient          LC50 – Median Lethal Concentration          LD50 – Median Lethal Dose          mg/l – Milligram per liter          mg/kg – Milligram per kilogram          mg/m<sup>3</sup> – Milligram per cubic meter          Min – Minutes          NIOSH – National Institute for Occupational Safety and Health          NOEC – No Observed Effect Concentration          N.O.S. – Not Otherwise Specified</p>
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OEL – Occupational Exposure Limit  
 PBT - Persistent, Bioaccumulative and Toxic  
 ppm – Parts per million  
 PVC – Polyvinyl chloride  
 REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
 RID – European Agreement concerning the International Carriage of Dangerous Goods by Rail  
 SDS – Safety Data Sheet  
 STEL – Short Term Exposure Limit  
 TLV – Threshold Limit Value  
 TWA – Time Weighted Average  
 UN – United Nations  
 vPvB - Very Persistent and Very Bioaccumulative

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Prepared by : Nexreg Compliance Inc.  
[www.Nexreg.com](http://www.Nexreg.com)



## Full text of H- and EUH-statements:

Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H300	Fatal if swallowed.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
EUH208	Contains 1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol, .alpha.,.alpha.',.alpha."-trimethyl-. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

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