

SAFETY DATA SHEET



Version 17.1 replaces Version 16.1
Revision date: 01.01.2017
According to (EU) No. 2015/830

SECTION 1

IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product identifier:** **MAGNAGLO® WB-655**
- 1.2 Relevant identified uses of the mixture and uses advised against:**
Relevant identified uses: Water based fluorescent Magnetic Particle Inspection (MPI) concentrate.
Uses advised against: This product is not recommended for any use other than the identified uses above.
- 1.3 Details of the supplier of the safety data sheet**
Manufacturer: Magnaflux® (A Division of ITW Ltd)
Address: Faraday Road, South Dorcan Industrial Estate, Swindon, UK
Postcode: SN3 5HE
Telephone/fax number: Telephone: +44 (0)1793 524566
Fax: +44 (0)1793 490459
Web: www.eu.magnaflux.com
Email address of competent person responsible for SDS: datasheets@magnaflux.co.uk
National contact: None appointed.
- 1.4 Emergency telephone number:** DURING OFFICE HOURS, CALL
T: +44 (0)1793 524566 (English only)
Opening hours: 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): **Physical and Chemical Hazard:** None
Health Hazard: Eye Irrit. 2 H319
Skin Irrit. 2 H315
Environmental Hazard: None
Additional information EUH208

For full text of hazard statements and EU hazard statements see SECTION 16.

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2.2

Label Elements:

Labelling according to regulation (EC) No 1272/2008 [CLP]

Hazard Pictograms:



Signal Word:

Hazard Statement(s):

Precautionary Statement(s):

Supplementary Precautionary Statement(s):

Supplementary Hazard Information (EU)

Hazard Determining Component(s)

Warning

H315: Causes skin irritation.

H319: Causes serious eye irritation.

P264: Wash thoroughly after handling.

P280: Wear protective gloves, protective clothing, eye protection, face protection.

P305+P351+P338: IF IN EYES: rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice / attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P333+P313: If skin irritation or rash occurs: get medical advice / attention.

P362+P364: Take off contaminated clothing and wash it before re-use.

EUH208: Contains

"trimethyltriazinetriethanole, 1,2-Benzisothiazol-3(2H)-one and 2,-Methyl-2H-isothiazol-3-one". May produce an allergic reaction.

Oleic acid, sulfonated, potassium salt

Trimethyltriazinetriethanole

1,2-Benzisothiazol-3(2H)-one

2,-Methyl-2H-isothiazol-3-one

2.3

Other hazards:

Spilled liquid could present a slip hazard.

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SECTION 3

COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Ingredient Name	CAS No	EC No	REACH Registration Number	% Weight	Classification according to Regulation (EC) No 1272/2008 [CLP]	Additional information
Triethanol amine solution	102-71-6	203-049-8	01-2119486482-31	< 30	Not classified	Has WEL
Oleic acid, sulfonated, potassium salt	68609-93-8	271-843-1	-	1 – 2 %	Skin Irrit. 2 H315 Eye Irrit. 2 H319	None
Trimethyl triazine triethanole	25254-50-6	246-764-0	-	< 0.5 %	Acute Tox. 4 H302 Acute Tox. 4 H332 Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319	None
1,2-Benzisothiazol-3(2H)-one	2634-33-5	220-120-9	-	< 0.05 %	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 Skin Sens. 1 H317, SCL ≥ 0.05% Aquatic Acute 1 H400 Aquatic Chronic2 H411	None
2-Methyl-2H-isothiazol-3-one	2682-20-4	220-239-6	-	< 0.05 %	Acute Tox. 3 H301 Acute Tox 3 H311 Acute Tox 2 H330 Skin Sens 1 A H317 Skin Corr. 1 B H314 STOT SE3 H335 Aquatic Acute 1 H400 Aquatic Chronic 2 H411	None

Note: Hazard statement(s) in this section apply only to raw materials, not necessarily to finished products.

**See Section 16 for hazard statement(s) text in full.*

SECTION 4

FIRST AID MEASURES

4.1 Description of first aid measures:

General notes:

If symptoms persist, seek medical attention. Show this safety data sheet to the doctor in attendance.

Following inhalation:

Remove to fresh air. Keep at rest. If not breathing give artificial respiration. Seek medical attention if symptoms occur.

Following skin contact:

Flush with water, use soap if available. Contaminated clothing should be washed before re-use. If skin irritation or rash occurs: get medical advice/attention.

Following eye contact:

Flush eyes with large amounts of water for at least 15 minutes. Check for and remove any contact lenses if easy to do. Continue rinsing. If eye irritation persists: Get medical advice / attention.

Following ingestion:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

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Self-protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. If it is suspected that the mixture is still present, wear appropriate personal protective equipment.

4.2 Most important symptoms, both acute and delayed:

No delayed effects known.

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

None known.

SECTION 5

FIREFIGHTING MEASURES

5.1 Extinguishing media:**Suitable extinguishing media:**

Carbon dioxide, foam, dry chemical, water fog or spray.

Unsuitable extinguishing media:

High pressure water jet.

5.2 Special hazards arising from the substance or mixture:

Material is non-flammable but is combustible. If possible keep unaffected containers cool with water spray.

Hazardous combustion products:

Smoke, soot and oxides of carbon. Burning vapour may give off toxic fumes.

5.3 Advice for fire-fighter:

Self contained breathing apparatus and full protective clothing must be worn if necessary. Fire water run-off must not be allowed to contaminate ground, or enter drains, sewers or water courses.

SECTION 6

ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Suitable protective equipment (see Section 8) should be worn to prevent any contamination of skin, eyes and personal clothing.

For non-emergency personnel:

Remove ignition sources. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

For emergency responders:

Keep unnecessary people at a safe distance. Remove ignition sources. Avoid breathing vapours, mist or gas. Vapours are likely to accumulate in low areas. Ensure adequate ventilation.

6.2 Environmental precautions:

Prevent liquid from entering drains, sewers and watercourses. Notify the Environment Agency or water authorities if a major spillage occurs. Prevent product from contaminating soil.

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- 6.3 Methods and material for containment and cleaning up:**
Eliminate sources of ignition. Take measures to prevent the build-up of electrostatic charge.
- For containment:** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite). Place in a container for disposal according to local/national regulations. Large spills should be pumped into containers pending disposal. Dispose of waste according to local/national regulations.
- For cleaning up:** Pick up with suitable absorbent material.
- Other information:** Spilled liquid presents a slip hazard. Contaminated clothing should be washed before re-use.
- 6.4 Reference to other sections:**
For Personal Protective Equipment see Section 8. For disposal information see Section 13.

SECTION 7 HANDLING & STORAGE

- 7.1 Precautions for safer handling:**
- Protective Measures:** Wear suitable protective clothing such as chemical resistant gloves, apron and goggles/face mask to protect from splashes. Avoid contact with skin and eyes. Do not breathe product spray or mist. Ensure adequate exhaust ventilation when in use.
- Measures to prevent fire:** Take measures to prevent the build-up of electrostatic charge.
- Advice on general occupational hygiene:** Wash thoroughly after handling.
- 7.2 Conditions for safe storage, including any incompatibilities:**
- Technical measures and storage conditions:** Store in a cool dry area away from heat and sources of ignition. Keep containers closed when not in use.
- Packaging materials:** Store in original container.
- Requirements for storage rooms and vessels:** Recommended storage temperature 10 °C to 30 °C. Keep containers out of direct sunlight.
- Further information on storage conditions:** Rotate stock and check regularly for damaged items.
- 7.3 Specific end use(s):**
- Recommendations:** Use only for Non Destructive Testing (NDT) applications.
- Industrial sector specific solutions:** See product data sheet for further information.

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SECTION 8

EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Occupational exposure limit values:

Occupational exposure figures have been set for some of the components of this preparation based on GESTIS International Limit Values or manufacturers' recommendation.

Ingredient name	Country	Limit value - 8 hours		Limit value - short term	
		ppm	mg /m ³	ppm	mg /m ³
Triethanol amine solution	Germany (DFG)		10 (inhalable fraction)		10 (1) (inhalable fraction)
	Sweden	0.8	5	1.6 (1)	10 (1)
	Denmark	0.5	3.1	1	6.2
	Finland	-	5	-	-
	Norway	-	5	-	-
Germany (1) 15 minutes average value					
Sweden (1) Short term value, 15 minutes average value					
Data obtained from GESTIS International Limit Values, Norwegian Labour Inspection Authority Order No 704-ENG.					

Note: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.

Derived No Effect Level (DNEL) – Triethanolamine solution

End User	Exposure Route	Exposure Time	Effects	DNEL
Worker	Inhalation	Long term	Systemic	5 mg/m ³
Worker	Inhalation	Long term	Local	5 mg/m ³
Worker	Dermal (skin)	Long term	Systemic	6.3 mg/kg bw/day

Note: The Derived No Effect Level (DNEL) is an estimated safe level of exposure that is derived from toxicity data in accordance with specific guidance within the European REACH regulation. The DNEL may differ from an Occupational Exposure Limit (OEL) for the same chemical. OELs may be recommended by an individual company, a government regulatory body or an expert organization, such as the Scientific Committee for Occupational Exposure Limits (SCOEL) or the American Conference of Governmental Industrial Hygienists (ACGIH). OELs are considered to be safe exposure levels for a typical worker in an occupational setting for an 8-hour work shift, 40 hour work week, as a time weighted average (TWA) or a 15 minute short-term exposure limit (STEL). While also considered to be protective of health, OELs are derived by a process different from that of REACH.

Predicted No Effect Concentration (PNEC)	
	Triethanolamine solution
Water - Fresh Water	0.32 mg/l
Water - Marine Water	0.032 mg/l
Water - Intermittent release	5.12 mg/l
Sediment - Fresh water	1.7 mg/kg sediment dw
Sediment - Marine water	0.17 mg/kg sediment dw
Soil	0.151 mg/kg soil dw
Sewage Treatment plant	10 mg/l

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8.2 Exposure controls:

Concentrations of product vapours and mists 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.

Appropriate engineering controls:

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limits are not exceeded. If ventilation is insufficient suitable respiratory protection must be provided.

Provide eye wash station.

Personal protection equipment:

Eye and face protection:

Safety glasses with side-shields conforming to EN166.

Skin protection - hand:

Protective gloves conforming to EN374-3. Use chemical resistant gloves recommended by glove manufacturer as being suitable for **surfactants** if hand exposure is unavoidable.

Glove manufacturer's directions for use should be observed. As the product is a preparation, consult the glove manufacturer for exact breakthrough time. Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of dangerous substance at the specific workplace.

Skin protection – other:

Respiratory protection:

If ventilation is insufficient, suitable respiratory protection must be provided. For nuisance exposures use type P2 (EU EN 141) particle respirator.

For higher level protection use type ABEK-P3 (EU EN 143) respirator cartridges.

Use respirators and components tested and approved under CEN standards.

Thermal hazards:

Not applicable.

Environmental exposure controls:

Avoid any release to the environment.

SECTION 9

PHYSICAL & CHEMICAL PROPERTIES

9.1

Information on basic physical and chemical properties:

Appearance:

Clear yellow liquid.

Odour:

Bland.

Odour threshold:

No data available.

pH:

9.05 (1% solution)

Melting point/freezing point:

No data available.

Initial boiling point and boiling range:

110 °C.

Flash point (PMCC):

> 120 °C.

Evaporation rate (BuAC = 100):

< 0.1.

Flammability (solid, gas) (Limits in air):

No data available.

Upper/lower flammability or explosive limits:

No data available.

Vapour pressure:

No data available.

Vapour density (Air = 1):

1.

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Relative density:	1.085 g/cm ³ .
Solubility:	100%.
Partition coefficient: n-octanol/water:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity (ASTM D445):	< 50 mm ² /s @ 38 °C.
Explosive properties:	No data available.
Oxidising properties:	No data available.

Note: properties relate to the bulk product only unless otherwise stated.

9.2 Other information:
No other information.

SECTION 10 STABILITY & REACTIVITY

10.1	Reactivity:	No data available.
10.2	Chemical stability	Stable under normal conditions of use and applications.
10.3	Possibility of hazardous reactions:	No data available.
10.4	Conditions to avoid:	Keep away from sources of ignition, hot surfaces and direct sunlight.
10.5	Incompatible materials:	Strong oxidising agents. Acids and alkalis.
10.6	Hazardous decomposition materials:	None under normal conditions of storage and use. Smoke and soot on combustion.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects: based on data for component materials.

Acute toxicity - oral:	Based on the available data the classification criteria are not met.
Acute toxicity – dermal:	Based on the available data the classification criteria are not met.
Acute toxicity – inhalation:	Based on the available data the classification criteria are not met.
Skin corrosion/irritation:	Skin Irrit. 2, H315: Causes skin irritation.
Serious eye damage/irritation:	Eye Irrit. 2, H319: Causes serious eye irritation.
Respiratory sensitisation:	Based on the available data the classification criteria are not met.
Skin sensitisation:	EUH208 - Contains trimethyltriazinethanole, 1,2-Benzisothiazol-3(2H)-one and 2-Methyl-2H-isothiazol-3-one. May produce an allergic reaction.
Germ cell mutagenicity:	Ingredients in this mixture are not classified as mutagenic according to current regulations.
Carcinogenicity:	Ingredients in this mixture are not classified as carcinogenic according to current regulations.
Reproductive toxicity:	Based on individual components, this preparation is not expected to show reproductive toxicity.

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STOT single exposure:	Based on the available data the classification criteria are not met.
STOT repeated exposure:	Based on the available data the classification criteria are not met.
Aspiration hazard:	No aspiration hazard expected.

Information on likely Routes of Exposure and Potential Health Effects:

Inhalation:	Inhalation of the product mist when spraying can be irritating to the respiratory tract.
Ingestion:	Ingestion may cause irritation of the mouth, throat and digestive tract.
Eye contact:	Causes serious eye irritation.
Skin contact:	Causes skin irritation. EUH208 - Contains Trimethyltriazinetriethanole, 1,2-Benzisothiazol-3(2H)-one and 2-Methyl-2H-isothiazol-3-one. May produce an allergic reaction.

Toxicity Test Results: based on data for component materials, where available.

Triethanol amine solution

Acute Toxicity – oral	LD50 (rat)	> 5000 mg/kg
Acute Toxicity – dermal	LD50 (rat)	> 2000 mg/kg

1,2-Benzisothiazol-3(2H)-one

Acute Toxicity – oral	LD50 (rat)	1193 mg/kg
Acute Toxicity - dermal	LD50 (rat)	4115 mg/kg
Acute Toxicity - inhalation	LC50 (rat)	No data available

2-Methyl-2H-isothiazol-3-one

Acute Toxicity – oral	LD50 (rat)	120 mg/kg
Acute Toxicity - dermal	LD50 (rabbit)	242 mg/kg
Acute Toxicity - inhalation	LC50 (rat)	0.11 mg/l 4 hours (dust/mist)

Other Information: No other information.

SECTION 12 ECOLOGICAL INFORMATION

Based on data for component materials

12.1 Toxicity:

Triethanolamine solution

Fish	LC50	96h	> 1800 mg/l
Aquatic Invertebrates	EC59	48h	> 739 mg/l

1,2-Benzisothiazol-3(2H)-one

Fish	Onchorynchus mykiss	LC50	96 hours	2.18 mg/l OECD Test Guideline 203
Aquatic Invertebrates	Daphnia magna	EC50	48 hours	2.94 mg/l OECD Test Guideline 202
Aquatic Plants	Pseudokirchneriella subcapitata	ErC50	72 hours	0.11 mg/l OECD Test Guideline 201
Aquatic Plants	Skeletonema costatum	NOEC	72 hours	0.027 mg/l OECD Test Guideline 201

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2-Methyl-2H-isothiazol-3-one

Fish	Onchorynchus mykiss	LC50	96 hours	4.77 mg/l
Aquatic Invertebrates	Daphnia magna	EC50	48 hours	0.93 – 1.9 mg/l
Aquatic Invertebrates	Daphnia magna	NOEC	21 days	0.04 mg/l – OECD Test Guideline 211
Aquatic Plants	Selenastrum capricornutum	EC50	72 hours	0.158 mg/l

- 12.2 Persistence and degradability:** Expected to be biodegradable.
- 12.3 Bioaccumulative potential:** This preparation does not contain any substances expected to be bioaccumulative.
- Partition coefficient: n-octanol/water (log Kow):** Triethanolamine solution, log Pow = -2.3 – -1.9.
1,2-Benzisothiazol-3(2H)-one: log Pow = 1.3
2-Methyl-2H-isothiazol-3-one: log Pow = -0.486
- Bioconcentration factor (BCF):** No data available.
- 12.4 Mobility in soil:** This product is soluble in water.
- 12.5 Results of PBT and vPvB assessment:** This mixture does not contain any substances that are assessed to be a PBT or vPvB.
- 12.6 Other adverse effects:** No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods:** Dispose of waste and residues in accordance with local authority requirements. Seek the advice of an approved waste disposal contractor for disposal at a licensed facility in accordance with national legislation.
- Product/packing disposal:** Empty containers may contain residues. Do NOT remove labels. Packs that cannot be cleaned should be disposed of in the same manner as the contents.
- Waste codes/waste designations according to LoW:** None assigned.

NOTE: Waste codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use. Waste producers need to assess the actual process used when generating the waste and its contaminants in order to assign the proper waste code(s).

- Waste treatment – relevant information:** Dispose of waste and residues in accordance with local authority requirements. Seek the advice of an approved waste disposal contractor for disposal at a licensed facility in accordance with national legislation. Do not empty down the drain.
- Sewage disposal – relevant information:**
- Other disposal recommendations:** Use a licensed waste contractor.

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SECTION 14 TRANSPORT INFORMATION

14.1	UN number:	ADR/RID:	-
		IMDG:	-
		IATA:	-
14.2	UN proper shipping name:	ADR/RID:	Not dangerous goods.
		IMDG:	Not dangerous goods.
		IATA:	Not dangerous goods.
14.3	Transport hazard class(es):	ADR/RID:	-
		IMDG:	-
		IATA:	-
14.4	Packing group:	ADR/RID:	-
		IMDG:	-
		IATA:	-
14.5	Environmental hazards:	ADR/RID:	-
		IMDG:	-
		IATA:	-
14.6	Special precautions for user:		
	Not applicable.		
14.7	Transport in bulk according to Annex II of Marpol 73/78 and the IBC code:		
	Not applicable.		

SECTION 15 REGULATORY INFORMATION

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
EU Regulations:
 This data sheet complies with the requirements of Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures.
 Safety data sheet as required by EU Regulations 1907/2006 and REACH Annex II Amendment (EU) No. 2015/830.
- Information according to 2013/10/EU and 2008/47/EC amendment of the aerosol directive 75/324/EEC.**
 Not applicable - this product is not an aerosol.
- 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 for this mixture by the supplier.

SECTION 16 OTHER INFORMATION

- (i) **Indication of changes:**
 Version 17.1 updated in Section 1.4.
 Version 17.1 also updated in Sections 2,3, 6,11,12 and 16 due to updated safety information.
 Vertical lines on the left hand side indicate an amendment from the previous version.
- (ii) **Abbreviations and acronyms:**
 ADR European Agreement concerning the International Carriage of Dangerous Goods by Road (Accord européen relatif au transport international des marchandises Dangereuses par Route)
 CAS No. Chemical Abstracts Service number
 CEN European Committee for Standardisation

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CLP	Classification, Labelling Packaging Regulation; Regulation (EC) No 1272/2008
ECHA	European Chemicals Agency
EC50	Half Maximal Effective Concentration
EC number	EINECS and ELINCS number
EINECS	European Inventory of Existing Commercial Substances
ELINCS	European List of notified Chemical Substances
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population
MPI	Magnetic Particle Inspection
NDT	Non-Destructive Testing
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative and Toxic Substance
PMCC	Pensky-Martens closed cup method
PPE	Personal Protection Equipment
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation EC (No) 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail (Reglement International concernant le transport des marchandises Dangereuses par chemin de fer)
SDS	Safety Data Sheet
STOT RE	Specific Target Organ Toxicity, Repeat Exposure
STOT SE	Specific Target Organ Toxicity, Single Exposure
TA-Luft	Technical Instructions on Air Quality Control (Technische Anleitung zur Reinhaltung der Luft)
vPvB	Very Persistent and Very Bioaccumulative
WEL	Workplace Exposure Limit
WGK	German Water Hazard Class (Wassergefährdungsklasse)

(iii) Key literature and sources of data:

- Supplier's safety data sheets for components listed in Section 3.
- European Chemicals Agency, <http://echa.europa.eu/>
- GESTIS International Limit Values Database, http://limitvalue.ifa.dguv.de/Webform_gw.aspx
- Occupational Exposure Limits EH40/2005.
- Commission regulation (EU) 2015/830.
- Control of Substances Hazardous to Health Regulations 2002.
- Hazardous waste regulations 2005.
- Health & Safety at Work Act 1974.
- Regulation (EC) 1907/2006 (REACH).
- Regulation (EC) 1272/2008 (CLP)
- Norwegian Labour Inspection Authority Order No 704-ENG

(iv) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):

Classification according to Regulation (EC) No 1272/2008	Classification procedure
Eye Irrit. 2 H319	Calculation
Skin Irrit 2 H315	Calculation
EUH208	Calculation

(v) Hazard statements (number and full text):

- H301: Toxic if swallowed.
- H302: Harmful if swallowed.
- H311: Toxic in contact with skin.
- H314: Causes severe skin burns and eye damage.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.

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H330: Fatal if inhaled.
H332: Harmful if inhaled
H335: May cause respiratory irritation.
H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.
EUH208: Contains trimethyltriazinetriethanole, 1,2-Benzisothiazol-3(2H)-one and 2-Methyl-2H-isothiazol-3-one. May produce an allergic reaction.

Hazard Class and Category Code:

Acute Tox. 2: Acute Toxicity
Acute Tox. 3: Acute Toxicity
Acute Tox. 4: Acute Toxicity
Aquatic Acute 1: Hazardous to the aquatic environment
Aquatic Chronic 2: Hazardous to the aquatic environment
Aquatic Chronic 3: Hazardous to the aquatic environment
Eye Dam. 1: Eye damage/irritation
Eye Irrit. 2: Eye damage/irritation
Skin Corr. 1C: Skin corrosion/irritation
Skin Irrit. 2: Skin corrosion/irritation
Skin Sens. 1: Skin/respiratory sensitisation
STOT SE: Specific target organ toxicity – single exposure

Relevant precautionary statements (number and full text):

P264: Wash thoroughly after handling.
P280: Wear protective gloves, protective clothing, eye protection, face protection.
P305+P351+P338: IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice / attention.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs: get medical advice / attention.
P362+P364: Take off contaminated clothing and wash it before re-use.

(vi)

Training advice:

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene. Chemical hazard risk assessment. Provide adequate information, instruction and training to operators.

DISCLAIMER

The information and recommendations contained herein are based upon data believed to be up-to-date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (incorrect) use, handling, purchase, resale, or exposure to our product. Customers and users of our product must comply with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk assessment for the particular work places and to take adequate risk management measures in accordance with the national implementation legislation of EU Directives 89/391/EEC and 98/24/EC amended by Directive 2014/27/EU.

Revision summary:	Revision Comments	This SDS is valid from the Revision Date. If you require a SDS for the product manufactured before the revision date please contact us at datasheets@magnaflux.co.uk
	Revision Date Version	
		01.01.2017 17.1