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

1.1. PRODUCT IDENTIFIER

Product form : Mixture

Product name : Magnavis® WB-27

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 - 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]

Skin Irrit. 2	H315
Eye Irrit. 2	H319

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. LABEL ELEMENTS

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

Hazard pictograms (CLP) :

GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H315 - Causes skin irritation.
H319 - Causes serious eye irritation.

Precautionary statements (CLP) : P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P337+P313 - If eye irritation persists: Get medical advice/attention.

EUH-statements : EUH208 - Contains 1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol, .alpha,.alpha.',.alpha."-trimethyl-. May produce an allergic reaction.

Unknown acute toxicity (CLP) - SDS : 28.43% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
31.36% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

Unknown hazards to the aquatic environment (CLP) : Contains 30.39 % 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]
2-Butoxyethanol	(CAS-No.) 111-76-2 (EC-No.) 203-905-0 (EC Index-No.) 603-014-00-0	1 - 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
2-Phenoxyethanol	(CAS-No.) 122-99-6 (EC-No.) 204-589-7 (EC Index-No.) 603-098-00-9	1 - 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt	(CAS-No.) 577-11-7 (EC-No.) 209-406-4	0.5 - 1.5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400
Oxirane, methyl-, polymer with oxirane	(CAS-No.) 9003-11-6 (EC-No.) 618-355-0	< 1	Acute Tox. 1 (Inhalation), H330
Oxazolidine, 3,3'-methylenebis[5-methyl-	(CAS-No.) 66204-44-2 (EC-No.) 266-235-8	< 1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1C, H314
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
Bis(2-ethylhexyl) maleate	(CAS-No.) 142-16-5 (EC-No.) 205-524-5	< 1	STOT RE 2, H373 Aquatic Chronic 1, H410

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 ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

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 : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. 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 : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

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. Oxides of nitrogen. 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.

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.

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 contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

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

2-Butoxyethanol (111-76-2)		
EU	IOELV TWA (mg/m³)	98 mg/m³
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m³)	246 mg/m³
EU	IOELV STEL (ppm)	50 ppm
EU	Notes	Possibility of significant uptake through the skin
United Kingdom	WEL TWA (mg/m³)	123 mg/m³
United Kingdom	WEL TWA (ppm)	25 ppm
United Kingdom	WEL STEL (mg/m³)	246 mg/m³
United Kingdom	WEL STEL (ppm)	50 ppm

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	:	Liquid
Colour	:	Black
Odour	:	Bland
Odour threshold	:	No data available
pH	:	9
Relative evaporation rate	:	< 0.1 (BuAC = 100)
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	100 °C
Flash point	:	No data available
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	:	1.4
Solubility	:	Water: 90%
Partition coefficient n-octanol/water	:	No data available
Viscosity, kinematic	:	No data available
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. Oxides of nitrogen. 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.

2-Butoxyethanol (111-76-2)	
LD50 oral rat	470 mg/kg
LC50 inhalation rat	486 ppm/4h

2-Phenoxyethanol (122-99-6)	
LD50 oral rat	1260 mg/kg
LD50 dermal rabbit	5 ml/kg

Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (577-11-7)	
LD50 oral rat	3080 mg/kg
LD50 dermal rabbit	> 10000 mg/kg

Oxirane, methyl-, polymer with oxirane (9003-11-6)	
LD50 oral rat	16 g/kg
LC50 inhalation rat	320 mg/m³ (Exposure time: 4 h)

Bis(2-ethylhexyl) maleate (142-16-5)	
LD50 oral rat	14 g/kg
LD50 dermal rabbit	14415 mg/kg

Unknown acute toxicity (CLP) - SDS : 28.43% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
31.36% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

Skin corrosion/irritation : Causes skin irritation.
pH: 9

Serious eye damage/irritation : Causes serious eye irritation.
pH: 9

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.

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 30.39 % of components with unknown hazards to the aquatic environment

Acute aquatic toxicity : Not classified.

Chronic aquatic toxicity : Not classified.

2-Butoxyethanol (111-76-2)	
LC50 fish 1	1490 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 fish 2	2950 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

2-Phenoxyethanol (122-99-6)	
LC50 fish 1	344 mg/l

2-Phenoxyethanol (122-99-6)	
LC50 fish 2	366 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	488 mg/l
EC50 72h algae (1)	> 500 mg/l (Species: Desmodesmus subspicatus)

Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (577-11-7)	
LC50 fish 1	20 - 40 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
LC50 fish 2	< 24 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	36 mg/l (Exposure time: 48 h - Species: Daphnia magna)

12.2. PERSISTENCE AND DEGRADABILITY

Magnavis® WB-27	
Persistence and degradability	Not established.

12.3. BIOACCUMULATIVE POTENTIAL

Magnavis® WB-27	
Bioaccumulative potential	Not established.

2-Butoxyethanol (111-76-2)	
Partition coefficient n-octanol/water	0.81 (at 25 °C)

2-Phenoxyethanol (122-99-6)	
Partition coefficient n-octanol/water	1.13 (at 25 °C)

Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (577-11-7)	
BCF fish 1	3.47 - 3.78

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 regulated
UN-No. (IMDG) : Not regulated
UN-No. (IATA) : Not regulated

14.2. UN PROPER SHIPPING NAME

Proper Shipping Name (ADR) : Not regulated
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated

14.3. TRANSPORT HAZARD CLASS(ES)

ADR

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

IMDG

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

IATA

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

14.4. PACKING GROUP

Packing group (ADR)	:	Not regulated
Packing group (IMDG)	:	Not regulated
Packing group (IATA)	:	Not regulated

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.

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

15.1.2. National regulations (Germany):

Wassergefahrdungklasse (water hazard class): WGK2 - Hazard to waters.

TechnischeAnleitungLuft (TA-Luft): < 30% Class 5.2.1 Overall dust, including fine dust.

15.2. CHEMICAL SAFETY ASSESSMENT

No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Indication of changes:
None.

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

Full text of H- and EUH-statements:

Acute Tox. 1 (Inhalation)	Acute toxicity (inhal.), Category 1
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
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
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.

H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH208	Contains 1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol, .alpha,.alpha.',.alpha.''-trimethyl-. May produce an allergic reaction.

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

Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method

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