MAGNUS MAGNUSOL 728

Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 11/20/2017 Revision date: Supersedes: 5/24/2016 Version: 1.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name : MAGNUS MAGNUSOL 728

Product code : 022138-BOM

Other means of identification : Aromatic white spirit mixture.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Solvent emulsion foam cleaner

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ChemSystems
200 Bergrivier Drive
Chloorkop Ext 24 - South Africa
T (011) 922 1600 or 922 1888
www.chemsystems.co.za

1.4. Emergency telephone number

Emergency number : 0800 172743

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 1B	H314
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	H335
Aspiration hazard, Category 1	H304

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

Adverse physicochemical, human health and environmental effects

May cause respiratory irritation. Causes severe skin burns and eye damage. May be fatal if swallowed and enters airways.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS05 GHS07 GHS08

Signal word (CLP) : Danger

Hazardous ingredients : Heavy aromatic Petroleum Solvent; POTASSIUM HYDROXIDE; MONOETHANOLAMINE; DODECYLBENZENE SULPHONIC ACID

Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways
H314 - Causes severe skin burns and eye damage
H335 - May cause respiratory irritation

Precautionary statements (CLP) : P280 - Wear goggles, gloves, clothing and respiratory protection
P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call doctor
P321 - Specific treatment see section 4 of SDS

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Heavy aromatic Petroleum Solvent	(CAS No) 64742-94-5 (EC no) 265-198-5 (EC index no) 649-424-00-3	< 50	Asp. Tox. 1, H304
ETHYLENE GLYCOL BUTYL ETHER	(CAS No) 111-76-2 (EC no) 203-905-0 (EC index no) 603-014-00-0 (REACH-no) 01-2119475108-36	< 10	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Irrit. 2, H315
MONOETHANOLAMINE	(CAS No) 141-43-5 (EC no) 205-483-3 (EC index no) 603-030-00-8 (REACH-no) 01-2119486455-28	5 - 10	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314
DODECYLBENZENE SULPHONIC ACID	(CAS No) 27176-87-0 (EC no) 248-289-4	5 - 10	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314

Specific concentration limits:

Name	Product identifier	Specific concentration limits
MONOETHANOLAMINE	(CAS No) 141-43-5 (EC no) 205-483-3 (EC index no) 603-030-00-8 (REACH-no) 01-2119486455-28	(C >= 5) STOT SE 3, H335

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth with water. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : Causes skin burns. Redness, pain.

Symptoms/injuries after eye contact : Causes serious eye damage. Conjunctivitis. Lacrimation.

Symptoms/injuries after ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Burns to the gastric/intestinal mucosa. Vomiting. Risk of aspiration pneumonia.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Gloves. Protective goggles. Protective clothing. Wear suitable respiratory equipment in case of insufficient ventilation.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe mist.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Do not breathe mist. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Incompatible products : Strong acids. Oxidizing agent.

Incompatible materials : Heat sources. Sources of ignition.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ETHYLENE GLYCOL BUTYL ETHER (111-76-2)		
EU	Local name	2-Butoxyethanol
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	Skin
United Kingdom	Local name	2-Butoxyethanol
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
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)

MONOETHANOLAMINE (141-43-5)		
United Kingdom	Local name	2-Aminoethanol
United Kingdom	WEL TWA (mg/m³)	2.5 mg/m³

MONOETHANOLAMINE (141-43-5)		
United Kingdom	WEL TWA (ppm)	1 ppm
United Kingdom	WEL STEL (mg/m³)	7.6 mg/m³
United Kingdom	WEL STEL (ppm)	3 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station. Eyewash and shower in work area.

Personal protective equipment : Gloves. Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection.

Hand protection : Protective gloves

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Slightly hazy.

Colour : Yellow.

Odour : Aromatic odour.

Odour threshold : No data available

pH : 11 (≥ 12.6)

Relative evaporation rate (butylacetate=1) : No data available

Melting point : Not applicable

Freezing point : No data available

Boiling point : > 150 °C

Flash point : > 65 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Not applicable

Vapour pressure : > 400 mm Hg

Relative vapour density at 20 °C : No data available

Relative density : No data available

Density : 0.96 - 0.98 g/cm³

Solubility : Emulsifies with water.

Log Pow : No data available

Viscosity, kinematic : < 2.5 mm²/s

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

The product is non-reactive under normal conditions of use, storage and transport.

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

Heat. Open flame.

10.5. Incompatible materials

Acids. Oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

ETHYLENE GLYCOL BUTYL ETHER (111-76-2)	
LD50 oral	1746 mg/kg bodyweight
LD50 dermal	435 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	2200 mg/m³

MONOETHANOLAMINE (141-43-5)	
LD50 oral	1515 mg/kg bodyweight
LD50 dermal	2504 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	136 mg/m³

DODECYLBENZENE SULPHONIC ACID (27176-87-0)	
LD50 oral rat	650 mg/kg (Rat; Literature study)
LD50 oral	650 mg/kg bodyweight

Skin corrosion/irritation : Causes severe skin burns and eye damage.
pH: 11 (≥ 12.6)

Serious eye damage/irritation : Serious eye damage, category 1, implicit
pH: 11 (≥ 12.6)

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause respiratory irritation.

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

MAGNUS MAGNUSOL 728	
Viscosity, kinematic	< 2.5 mm²/s

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

ETHYLENE GLYCOL BUTYL ETHER (111-76-2)	
LC50 fish 1	1474 mg/l
EC50 other aquatic organisms 1	1550 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	911 mg/l IC50 algea (72 h) mg/l

MONOETHANOLAMINE (141-43-5)	
LC50 fish 1	349 mg/l
EC50 other aquatic organisms 1	65 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	2.5 mg/l IC50 algea (72 h) mg/l

DODECYLBENZENE SULPHONIC ACID (27176-87-0)	
Threshold limit algae 2	127.9 mg/l (ErC50; Other; 72 h; Scenedesmus subspicatus; Static system)

12.2. Persistence and degradability

DODECYLBENZENE SULPHONIC ACID (27176-87-0)	
Persistence and degradability	Readily biodegradable in water. Low potential for adsorption in soil.
Chemical oxygen demand (COD)	2.41 g O_2/g substance

12.3. Bioaccumulative potential

ETHYLENE GLYCOL BUTYL ETHER (111-76-2)	
Log Pow	0.83

MONOETHANOLAMINE (141-43-5)	
Log Pow	-1.31

DODECYLBENZENE SULPHONIC ACID (27176-87-0)	
Log Pow	1.96
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

DODECYLBENZENE SULPHONIC ACID (27176-87-0)	
Surface tension	35 N/m (25 °C; 800 mg/l)

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 3267

UN-No. (IMDG) : 3267

UN-No. (IATA) : 3267

14.2. UN proper shipping name

Proper Shipping Name (ADR) : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.

Proper Shipping Name (IMDG) : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.

Proper Shipping Name (IATA) : Corrosive liquid, basic, organic, n.o.s.

Transport document description (ADR) : UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S., 8, II, (E)

Transport document description (IMDG) : UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S., 8, II

Transport document description (IATA) : UN 3267 Corrosive liquid, basic, organic, n.o.s., 8, II

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 8

Danger labels (ADR) : 8

:

IMDG

Transport hazard class(es) (IMDG) : 8

Danger labels (IMDG) : 8

: 

IATA

Transport hazard class(es) (IATA) : 8

Hazard labels (IATA) : 8

: 

14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : C7

Special provisions (ADR) : 274

Limited quantities (ADR) : 1l

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02

Mixed packing provisions (ADR) : MP15

Portable tank and bulk container instructions (ADR) : T11

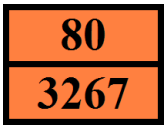
Portable tank and bulk container special provisions (ADR) : TP2, TP27

Tank code (ADR) : L4BN

Vehicle for tank carriage : AT

Transport category (ADR) : 2

Hazard identification number (Kemler No.) : 80

Orange plates : 

Tunnel restriction code (ADR) : E

EAC code : 2X

APP code : B

- Transport by sea

Special provisions (IMDG) : 274

Limited quantities (IMDG) : 1 L

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P001

IBC packing instructions (IMDG) : IBC02

Tank instructions (IMDG) : T11

Tank special provisions (IMDG) : TP2, TP27

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-B

Stowage category (IMDG)	:	B
Stowage and handling (IMDG)	:	SW2
Segregation (IMDG)	:	SG35
Properties and observations (IMDG)	:	Reacts violently with acids. Causes burns to skin, eyes and mucous membranes.

- Air transport

PCA Excepted quantities (IATA)	:	E2
PCA Limited quantities (IATA)	:	Y840
PCA limited quantity max net quantity (IATA)	:	0.5L
PCA packing instructions (IATA)	:	851
PCA max net quantity (IATA)	:	1L
CAO packing instructions (IATA)	:	855
CAO max net quantity (IATA)	:	30L
Special provisions (IATA)	:	A3
ERG code (IATA)	:	8L

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 substance on the REACH candidate list ≥ 0,1 % / SCL

Contains no REACH Annex XIV substances in concentration ≥ to the Annex XIV limit values

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

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
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation

SDS EU AECI Chemsystems

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