

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : Hamo Liquid 55
Version : 27.09.2011 2.0.1
Revision : 27.09.2011

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Hamo Liquid 55

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

Relevant identified uses

Detergent

1.3 Details of the supplier of the safety data sheet

Supplier

Amsonic AG

Street : Zürichstrasse 3
Postal code/city : 2504 Biel/Bienne
Telephone : 0041 32 344 35 00
Telefax : 0041 32 344 35 01
Information contact : ++41 32 344 35 00 / amsonic.ch@amsonic.com

Supplier

Amsonic France SAS

Street : 110 Rue des Frères Voisin
Postal code/city : 69970 Chaponnay
Telephone : 0033 4 37 28 18 00
Telefax : 0033 4 37 28 18 01

1.4 Emergency Telephone Number

Schweizerisches Toxikologisches Informationszentrum ++41 (0)44 251 51 51

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Causes burns.

C ; R 34

2.2 Label elements

Labelling (67/548/EEC or 1999/45/EC)

Hazard symbols and hazard statements of dangerous substances and preparations



C ; Corrosive

Hazard components for labelling

DIPOTASSIUMTRIOXOSILICATE ; CAS No. : 1312-76-1

POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3

R-phrases

34 Causes burns.

S-phrases

35 This material and its container must be disposed of in a safe way.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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24/25 Avoid contact with skin and eyes.

2.3 Other hazards

None

3. Composition/ Information on ingredients

3.2 Mixtures

Hazardous ingredients

DIPOASSIUMTRIOXOSILICATE ; EC No : 215-199-1; CAS No. : 1312-76-1

Weight fraction : 5 - 15 %

Classification 67/548/EEC : C ; R34

Classification 1271/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1B ; H314

POTASSIUM HYDROXIDE ; EC No : 215-181-3; CAS No. : 1310-58-3

Weight fraction : < 5 %

Classification 67/548/EEC : C ; R35 Xn ; R22

Classification 1271/2008 [CLP] : Skin Corr. 1A ; H314 Acute Tox. 4 ; H302

Additional information

Full text of R-, H- and EUH-phrases: see section 16.

4. First-aid measures

4.1 Description of first aid measures

In case of skin contact

Remove contaminated, saturated clothing immediately. Flush away with water and rinse.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do not induce vomiting - call a physician. If unconscious place in recovery position and seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water

Unsuitable extinguishing media

None known.

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

None

5.4 Additional information

None.

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Take the precautions customary when handling chemicals.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

None

6.4 Reference to other sections

None

7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes.

Protective measures

Fire prevent measures

No anti-explosion measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Hints on storage assembly

Storage class : 8B

Further information on storage conditions

Keep only in the original container in a cool, well-ventilated place.

7.3 Specific end uses

None

8. Exposure controls / Personal protection

8.1 Control parameters

None

8.2 Exposure controls

Personal protective equipment

Eye / face protection

Eye glasses with side protection

Skin protection

Hand protection

In full contact: Glove material: nitrile rubber Layer thickness: 0.11 mm Breakthrough time: > 480 Min. In splash contact: Glove material: nitrile rubber Layer thickness: 0.11 mm Breakthrough time: > 480 Min. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

Body protection

Suitable protective clothing : Light protective clothing.

General health and safety measures

Keep away from food, drink and animal feeding stuff

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : liquid

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Colour : clear Light yellowish.

Odour

characteristic

Safety relevant basis data

Boiling temperature / boiling range :	(1013 hPa)	100	°C
Flash point :		not applicable	
Vapour pressure :	(50 °C)	No data available	
Density :	(20 °C)	1.2	g/cm ³
Solvent separation test :	(20 °C)	No data available	
Water solubility :	(20 °C)	100	g/l
pH value :	(20 °C / 10 g/l)	ca. 12	
Flow time :	(20 °C)	No data available	DIN-cup 4 mm
Viscosity :	(20 °C)	No data available	

9.2 Other information

None

10. Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Thermal decomposition above 230 °C.

10.5 Incompatible materials

Reactions with acids: development of heat.

10.6 Hazardous decomposition products

No information available.

11. Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter :	LD50
Exposure route :	Oral
Species :	Rat
Effective dose :	> 1400 mg/kg

12. Ecological information

12.1 Toxicity

Effects in sewage plants

Parameter :	Chemical oxygen demand (COD)
Effective dose :	124.5 g/kg

12.2 Persistence and degradability

Biodegradation

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Analytical method : Biodegradability according to OECD
Degradation rate : > 90 %

Regulation on Detergents (EC) No 648/2004

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Further ecological information

None

13. Disposal considerations

Recycle according to official regulations.

13.1 Waste treatment methods

Product/Packaging disposal

Waste codes / waste designations according to EWC / AVV

Waste code product

Waste code (91/689/EEC) : 07 06 01*

14. Transport information

14.1 UN number

1814

14.2 UN proper shipping name

Land transport (ADR/RID)

POTASSIUM HYDROXIDE SOLUTION

Sea transport (IMDG)

POTASSIUM HYDROXIDE SOLUTION

Air transport (ICAO-TI / IATA-DGR)

POTASSIUM HYDROXIDE SOLUTION

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 8
Classification code : C5
Hazard identification number (Kemler No.) : 80
Tunnel restriction code : E
Special provisions : LQ22
Hazard label(s) : 8

Sea transport (IMDG)

Class(es) : 8
EmS-No : F-A / S-B
Special provisions : LQ 1 I
Hazard label(s) : 8

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Air transport (ICAO-TI / IATA-DGR)

Class(es) : 8
Hazard label(s) : 8

14.4 Packing group

II

14.5 Environmental hazards

Sea transport (IMDG) : No

14.6 Special precautions for user

None

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVwS

15.2 Chemical safety assessment

No information available.

16. Other information

The user is responsible for the observance of all required statutory provisions.

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

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

None

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

Hazard components for labelling

DIPOTASSIUMTRIOXOSILICATE ; CAS No. : 1312-76-1

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16.5 Relevant R-, H- and EUH-phrases (Number and full text)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
22	Harmful if swallowed.
34	Causes burns.
35	Causes severe burns.

16.6 Training advice

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of

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mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
