

Safety data-sheet (91/155 EEC)

Printed 19.06.2003

Revision 19.06.2003 (GB) Version 0.0

COM Multi-Schaum 400 ml

1. Identification of the substance/preparation

Name of product	COM Multi-Schaum 400 ml Produkt-Nr.: 610 10 30
Manufacturer/distributor	ASWO International Service GmbH Schachtweg 57, DE-31036 Eime Phone +49 (0) 5182 - 9700, Fax +49 (0) 5182 - 970 510
Advice	Phone + 49 (0) 180 - 500 61 90
Emergency advice	Gift-Informationszentrum Nord GIZ Nord Phone +49 (0) 551 - 192 40

2. Composition/information on ingredients

Chemical characterization

Propellant: propane / butane

Aqueous cleaner spray based on isopropanol, ammonia solution, tensides, odours and water. Propellant: propane / butane.

Hazardous ingredients

CAS-No.	EC-No.	Name	[% weight]	Classification
000067-63-0	200-661-7	propan-2-ol	10 - 14	F R11; Xi R36; R67
000111-76-2	203-905-0	2-butoxyethanol	< 1	Xn R20/21/22; Xi R36/38
001336-21-6	215-647-6	Ammoniak...%	< 1	C R34; N R50
061641-74-5	./.	propane/butane-mixture	<= 10	F+,R12

3. Special hazards information for man and environment

R-phrases

12 Extremely flammable.

Special hazards information for humans and environment

In extensive use, formation of flammable / explosive vapour-air mixture is possible.

4. First aid measures

General information

Remove contaminated soaked clothing immediately.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

In case of skin contact

In case of contact with skin wash off with soap and water.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Do not induce vomiting.

Medical treatment.

5. Fire-fighting measures

Suitable extinguishing material

All standard extinguishing agents.

Special exposure hazards arising from the substance, combustible products or resulting gases

Danger of burst.

Fire gas of organic material has to be classed invariably as respiratory poison.

Special protective equipment for firefighters

Use breathing apparatus with independent air supply.

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Additional information

Vapours are heavier than air and will spread on the ground.

Cool endangerey containers with water spray jet.

6. Accidental release measures

Personal precautions

Ensure adequate ventilation.

Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains or bodies of water..

Do not discharge into the subsoil/soil.

Methods for cleaning up/taking up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

After taking up the material dispose according to regulation.

Additional Information

Sort out leaky cans and dispose according to regulations.

7. Handling and storage

Advice on safe handling

Care for thoroughly room ventilation, if necessary suck off at workplace.

Advice on protection against fire and explosion

The product is combustible.

Vapours can form an explosive mixture with air.

Avoid effect of heat.

Requirements for storage rooms and vessels

Keep in closed original container.

Adhere to administrative regulations relating to storage of compressed gas cylinders / containers.

Further information on storage conditions

Protect from direct solar radiation.

Storage temperature may not exceed 50°C (=122°F).

Store container at cool and aired place.

Storage group 2B

Fire class C

8. Exposure controls / personal protection

Ingredients with occupational exposure limits to be monitored

CAS-No.	Name	Code	[mg/m ³]	[ml/m ³]	Remark
000067-63-0	propan-2-ol	TLV	0,5 E		

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CAS-No.	Name	Code	[mg/m ³]	[ml/m ³]	Remark
000074-98-6	propane	TLV			Asphyxiant (see Appendix 1)
000106-97-8	butane	TLV	1450	600	
000111-76-2	2-butoxyethanol	TLV	123	25	

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation.

Hand protection

Protective gloves

Eye protection

safety goggles

Skin protection

protective clothing

General protective measures

Avoid contact with eyes and skin

Do not inhale aerosols

Hygiene measures

At work do not eat, drink and smoke.

9. Physical and chemical properties

Form
aerosol

Colour
colourless

Odour
citrusfruchtartig

Data relevant for safety

	Value	Temperature	at	Method	Remark
pH value in delivery state	11	20			
Flash point	not applicable				
Combustion temperature	> 340 °C				
Lower explosion limit	2 Vol-%				
Upper explosion limit	12 Vol-%				
Vapour pressure	3,5 bar	20 °C			
Density	0,9 g/cm ³				
Solubility in water					soluble

Explosive properties

The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .

10. Stability and reactivity

Conditions to avoid

Keep away from heat.

Formation of inflammable vapour-air mixtures.

Hazardous decomposition products

No hazardous decomposition products known.

Thermal decomposition

Remark No decomposition if suitable use.

11. Toxicological information**Experiences made from practice**

Inhalation causes narcotic effect/intoxication.

12. Ecological information**General regulation**

Ecological dates are not available.

Product is not allowed to discharge into aquatic environment.

13. Disposal considerations**Recommendations for the product**

Remove in accordance with local official regulations.

Recommendations for packaging

Dispose of according to the local waste regulations.

14. Transport information**Land and inland navigation transport (ADR/RID/GGVS/GGVE/ADNR)**

Identification	AEROSOLS
UN-No.	1950
Class	2
Remarks	transport in "limited quantities" according to 3.4 ADR LQ2 is possible

Marine transport IMDG/GGV See

Proper shipping name	AEROSOLS
UN-No.	1950
Class	2.1
PG	-
Marine pollutant	No
EmS-No.	2-13

Air transport ICAO/IATA

Proper shipping name	AEROSOLS FLAMMABLE
UN/ID-No.	1950
Class	2.1
PG	-

15. Regulatory information**Remarks for classification**

The product is classified and labelled in accordance with EC directives.

Classification

F+ Extremely flammable

R-phrases

12 Extremely flammable.

S-phrases

16	Keep away from sources of ignition - No smoking.
2	Keep out of the reach of children.
23	Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
51	Use only in well-ventilated areas.

Hazardous ingredients for labeling

propan-2-ol, propane/butane-mixture

Special labelling for certain preparations

Container is under pressure. Protect from sun and temperatures above 50°C. Do not open with force or incinerate even after use. Do not spray into flames or onto glowing objects.

Do not spray into flames or onto glowing objects.

Without sufficient ventilation the formation of explosive vapour/air mixtures cannot be excluded.

Keep away from fire. Do not smoke. Keep out of children's reach.

National regulations**Restriction of occupation**

Adhere to national laws relating to employment limitation.

Classification according to VbF/ VbF: is not subject to decree for combustible liquids.
remarks

Water hazard class 1 Auto-classification VwVwS (RFA)
slightly polluting substances

16. Other information**Recommendend uses and restrictions**

National and local regulations concerning chemicals shall be observed.

Further information

The information in this Safety Data Sheet is based on our present knowledge. However, it does not represent a guarantee for any specific product features and does not establish a contractual relationship.

Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)

- R 11 Highly flammable.
- R 12 Extremely flammable.
- R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- R 34 Causes burns.
- R 36 Irritating to eyes.
- R 36/38 Irritating to eyes and skin.
- R 50 Very toxic to aquatic organisms.
- R 67 Vapours may cause drowsiness and dizziness.