

Safety data-sheet (91/155 EEC)

Printed 13.11.2005

Revision 12.11.2005 (GB) Version 3.1

COM Multifunktionspray, 150 ml (GB)

! 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name of product	COM Multifunktionspray, 150 ml (GB) Code-Nr. 6101040
Manufacturer/distributor	ASWO International Service GmbH Riesweg 1 D-31036 Eime Phone ++49(0)5182 /970 - 0, Fax ++49(0)5182 / 970 - 510 E-Mail info@aswo.com Internet http://www.aswo.com
Advice	Phone ++49(0)180 / 500 61 90
Emergency advice	Phone ++49(0)228-19 240
Recommended intended purpose(s)	Technical Aerosols

! 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Mixture of active ingredients with propellant

Hazardous ingredients

CAS-No.	EC-No.	Name	[% weight]	Classification
8008-20-6	232-366-4	kerosine (petroleum)	10 - 25	Xn R10-38-65
64742-47-8	265-149-8	distillates (petroleum), hydrotreated light	25 - 50	Xn R 10-65
61641-74-5		propane/butane-mixture	12 - 35	F+, R12

3. HAZARDS IDENTIFICATION

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 the event of symptoms refer for medical treatment.

In case of skin contact

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

Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

Do not induce vomiting.

Refer to medical treatment.

Physician's information / possible symptoms

The following symptoms may occur:

Anaesthetic state
Headache

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Foam
Dry powder
Carbon dioxide

Extinguishing media which must not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

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

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply (isolated).
Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Additional information

Cool endangered containers with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation.
Use personal protective clothing.
Keep away sources of ignition.

Environmental precautions

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

Methods for cleaning up

Take up with absorbent material.
After taking up the material dispose according to regulation.

7. HANDLING AND STORAGE

Advice on safe handling

Suck off closed rooms at ground level.
Care for thoroughly room ventilation, if necessary suck off at workplace.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
Do not spray into flames or any incandescent material.
Pressurized container.
Do not pierce or burn even after use.
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.

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Further information on storage conditions

Protect from heat and direct solar radiation.
Keep container in a well-ventilated place
Storage temperature may not exceed 50°C (=122°F).
Keep in a cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with occupational exposure limits to be monitored

CAS-No.	Name	Code	[mg/m ³]	[ml/m ³]	Remark
106-97-8	Butane	8 hours	1450	600	
		Short-term	1810	750	
74-98-6	Propane	8 hours			Asphyxiant

Respiratory protection

If ventilation insufficient, wear respiratory protection.

Hand protection

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: fluorinated rubber; 0,7mm; 480min; 60min;

Eye protection

safety goggles

Skin protection

protective clothing

General protective measures

Do not inhale aerosols

Hygiene measures

At work do not eat, drink, smoke or take drugs.
Wash hands before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
aerosol

Colour
yellowish

Odour
solvent-like

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
boiling point	-44 °C				
Flash point	< 0 °C				
Combustion temperature	> 210 °C				
Lower explosion limit	0,5 Vol-%				
Upper explosion limit	8,5 Vol-%				
Vapour pressure	2100 hPa	20 °C			
Density	0,75 g/ml	20 °C			
Solubility in water					insoluble
Solvent concentration	35,9 %				

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	Value	Temperature	at	Method	Remark
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Solid contents 29,1 %

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 explosive gas/air mixtures.

Thermal decomposition

Remark No decomposition if suitable use.

11. TOXICOLOGICAL INFORMATION

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
Irritability skin	non-irritant			
Irritability eye	non-irritant			
Sensitization skin	non-sensitising			

Experiences made from practice

Vapours may cause dizziness, headaches and tiredness

Additional information

Labelling in compliance with the assessment procedure specified in the EC guidelines 1999/45/EG

12. ECOLOGICAL INFORMATION

General regulation

Do not discharge product unmonitored into the environment.

Product is not allowed to discharge into aquatic environment.

13. DISPOSAL CONSIDERATIONS

Waste code No.

15 01 04

16 05 04*

Name of waste

metallic packaging

gases in pressure containers (including halons) containing dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Dispose of according to the local waste regulations.

Packaging that cannot be cleaned should be disposed of like the product.

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

UN 1950 AEROSOLS, 2.1

Remarks

transport in "limited quantities" according to 3.4 ADR LQ2 is possible

Marine transport IMDG

UN 1950 AEROSOLS, 2

Air transport ICAO/IATA-DGR

UN 1950 Aerosols, flammable, 2.1

! 15. REGULATORY INFORMATION

Remarks for classification

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

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.

23.4 Do not breathe spray.

51 Use only in well-ventilated areas.

Special labelling for certain preparations

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

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 heat and open flames - Do not smoke. Keep out of children's reach.

16. OTHER INFORMATION

Recommend uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

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

R 10 Flammable.

R 12 Extremely flammable.

R 38 Irritating to skin.

R 65 Harmful: may cause lung damage if swallowed.