

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

50 735 - AQUA effect spray

Article No.		Issue date:	29.01.15
Version	4 (29.01.15)	Page	1 / 8

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

1.1 Product identifier

Trade name 50 735 - AQUA effect spray

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

Products for creation of art.

Uses advised against**1.3 Details of the supplier of the safety data sheet**

H. Schmincke & Co. GmbH & Co. KG
 Otto-Hahn-Str. 2
 D - 40699 Erkrath
 Tel. +49 (0) 211-2509-0
 Fax. +49 (0) 211-2509-497
 info@schmincke.de
 www.schmincke.de

Dept. responsible for information

Schmincke-lab:
 mo-th 8.00-16.30, fr 8.00-13.30
 Tel. +49 (0) 211-2509-474
 labor@schmincke.de

1.4 Emergency telephone number

**Emergency
 Information
 Phone #**

**Emergencycall Berlin
 (24h - counseling in german and english)
 +49 (0) 30-30686790**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture**Classification according to EC regulation 1272/2008 (CLP)**

Flam. Liq. 2; H225 Highly flammable liquid and vapour.

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

F+ extremely flammable
 R12 Extremely flammable.

2.2 Label elements**Labelling (CLP)****Signal word**

Danger

Hazard statements

H225 Highly flammable liquid and vapour.

Safety precautions

P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P211 Do not spray on an open flame or other ignition source

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

50 735 - AQUA effect spray

Article No.		Issue date:	29.01.15
Version	4 (29.01.15)	Page	2 / 8

P251 Do not pierce or burn, even after use.
P403+P235 Store in a well-ventilated place. Keep cool.

Labelling (67/548/EEC or 1999/45)**Nature of Hazard**

F+ extremely flammable

**R phrase(s)**

R12 Extremely flammable.

S phrase(s)

S2 Keep out of the reach of children.

S46 If swallowed, seek medical advice immediately and show this container or label.

2.3 Other hazards**SECTION 3: Composition / information on ingredients****3.1 Substances****Chemical characterization**

ethanol Water additive

CAS-Number
EINECS / ELINCS / NLP
EU index number
Customs tariff number
REACH registration No.
RTECS-no.
Hazchem-Code
CI-Number

3.2 Mixtures**Substance 1**

Ethanol: > 90 %
CAS-Number: 64-17-5
Classification according to EC regulation 1272/2008 (CLP):
Flam. Liq. 2; H225

Additional information**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

If you feel unwell, seek medical advice (show the label where possible).

In case of inhalation

Provide fresh air. Seek medical attention if problems persist.

In case of skin contact

Remove residues with soap and water. In case of skin irritation, consult a physician.

After eye contact

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 10 - 15 minutes. Seek medical attention if irritation persists.

After swallowing

Rinse mouth with water. Seek medical treatment in case of troubles.

Item No. 02100

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

50 735 - AQUA effect spray

Article No.		Issue date:	29.01.15
Version	4 (29.01.15)	Page	3 / 8

4.2 Most important symptoms and effects, both acute and delayed**4.3 Indication of any immediate medical attention and special treatment needed****SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing media which must not be used for safety reasons

strong water jet

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide and carbon dioxide

5.3 Advice for firefighters**Special protective equipment for firefighters**

Use appropriate respiratory protection.

Additional information**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes, and clothing.

6.2 environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up**Methods for cleaning up**

Collect spilled material using paper towels and dispose. Provide adequate ventilation.

Additional information**6.4 Reference to other sections**

Dispose of waste according to applicable legislation.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advices on safe handling**

Handle in accordance with good industrial hygiene and safety practice.

Precautions against fire and explosion

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 on naked flames or any incandescent material.

7.2 Conditions for safe storage, including any incompatibilities**Requirements for storerooms and containers**

Keep in a cool, well-ventilated place.

Hints on joint storage**Storage class****Further details**

Protect from frost and exposure to sun.

7.3 Specific end use(s)

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

50 735 - AQUA effect spray

Article No.		Issue date:	29.01.15
Version	4 (29.01.15)	Page	4 / 8

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

Ethanol

DEU	WEL	500,000	mL/m ³	-
DEU	WEL	960,000	mg/m ³	2(II); DGF; Y
USA	PEL (US)	1.000,000	ppm	8h (long term)
USA	PEL (US)	1.900,000	mg/m ³	8h (long term)

8.2 Exposure controls**Occupational exposure controls****Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Protective gloves

Qualified materials: Nitrile rubber

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection

Goggles

Body protection

Wear suitable protective clothing.

General protection and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

SECTION 9: Physical and chemical properties**9.1 information on basic physical and chemical properties**

Physical state	Aerosol	
Colour	colourless	
Odour	alcoholic	
	min	max
Initial boiling point and boiling range		
Melting point/freezing point		
Flash point/flash point range		12 °C
Flammability		
Ignition temperature	235 °C	235 °C
Auto-ignition temperature		
Explosion limits	3 Vol%	15 Vol%
Refraction index		
Partition coefficient: n-octanol/water		
Explosive properties		
Vapour pressure	3500 hPa	20 °C
Density	0,79 g/ml	20 °C
PH value		
Viscosity dynamic of		
Viscosity dynamic up to		
Viscosity kinematic of		
Viscosity kinematic up to		

9.2 Other information

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

50 735 - AQUA effect spray

Article No. 4 (29.01.15)
Version

Issue date: 29.01.15
Page 5 / 8

SECTION 10: Stability and reactivity**10.1 Reactivity**

Product is stable under normal storage conditions.

10.2 Chemical stability**10.3 Possibility of hazardous reactions****10.4 Conditions to avoid**

Protect from frost and exposure to sun.

10.5 Incompatible materials**10.6 Hazardous decomposition products**

Hazardous vapours may form during fires.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

In case of inhalation

After swallowing

In case of skin contact

After eye contact

Practical experience**General remarks****Toxicological tests**

Ethanol

oral	LD50	Rat		5000,000	mg/kg	-
inhalative	LC50	Rat		1800,000	mg/L	4h
dermal	LD50	Rabbit		10000,000	mg/kg	-

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity**

Water Hazard Class

1

WGK catalog number

General information

12.2 Persistence and degradability**Further details**

Product is partially biodegradable.

Oxygen demand

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)

Partition coefficient: n-octanol/water

12.4 Mobility in soil

No data available

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

50 735 - AQUA effect spray

Article No.		Issue date:	29.01.15
Version	4 (29.01.15)	Page	6 / 8

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

General information

Ecotoxicological effects

Ethanol

LC50	fish		8150,000	mg/L	48h - Leuciscus idus melanotus
EC50	Daphnia magna (Big water)		14221,000	mg/L	48h

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Waste key number
080111 080111* waste paint and varnish containing organic solvents or other dangerous substances

Recommendation

Contaminated packaging

Waste key number
Recommendation

Additional information**SECTION 14: Transport information****14.1 UN number**

1170

14.2 UN proper shipping name

ADR, ADN ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
IMDG, IATA ETHANOL SOLUTION

14.3 Transport hazard class(es)

ADR, ADN 3
IMDG 3
IATA 3

14.4 Packing group

II

14.5 Environmental hazards

Marine Pollutant - IMDG No
Marine Pollutant - ADN No

14.6 Special precautions for user**Land transport**

Code: ADR/RID F1
Hazard label ADR 3
Limited quantities 1L
Contaminated packaging: Instructions P001 - IBC02 - R001
Contaminated packaging: Special provisions -
Special provisions for packing together MP19
Portable tanks: Instructions T4
Portable tanks: Special provisions TP1

Item Numbers: 02100-1006

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

50 735 - AQUA effect spray

Article No.		Issue date:	29.01.15
Version	4 (29.01.15)	Page	7 / 8

Tank coding	LGBF
Tunnel restriction	D/E
Remarks	
EQ	E2
Special provisions	144 - 601

Inland waterway craft

Hazard label	
Limited quantities	
Transport permitted	
Equipment necessary	
Ventilation	
Remarks	
EQ	
Special provisions	

Sea transport

EmS	F-E, S-D
Special provisions	144
Limited quantities	1L
Contaminated packaging: Instructions	P001
Contaminated packaging: Special provisions	-
IBC: Instructions	IBC02
IBC: Provisions	-
Tank instructions IMO	-
Tank instructions UN	T4
Tank instructions Special provisions	TP1
Stowage and segregation	category A
Properties and observations	
Remarks	
EQ	E2

Air transport

Hazard	Flammable Liquid
Passenger	353 (5L)
Passenger LQ	Y341 (1L)
Cargo	364 (60L)
ERG	3L
Remarks	
EQ	E2
Special Provisioning	A3

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Europe**

Contents of VOC [%]	
Contents of VOC	
[g/L]	
Further regulations, limitations and legal requirements	

Germany

Storage class

No. 02100-1006

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

50 735 - AQUA effect spray

Article No.		Issue date:	29.01.15
Version	4 (29.01.15)	Page	8 / 8

Water Hazard Class 1
WGK catalog number
Incident regulation
Information on working limitations
Further regulations, limitations and legal requirements

Denmark

Further regulations, limitations and legal requirements

Hungary

Further regulations, limitations and legal requirements

Great Britain

Further regulations, limitations and legal requirements

Switzerland

Contents of VOC [%]
 96
Further regulations, limitations and legal requirements

USA

Further regulations, limitations and legal requirements
Federal Regulations
State Regulations

Japan

Further regulations, limitations and legal requirements

Canada

Further regulations, limitations and legal requirements

15.2 Chemical Safety Assessment**SECTION 16: Other information****Further information**

R phrase(s) R11 Highly flammable.
Hazard statements (CLP) H225 Highly flammable liquid and vapour.

Further information

This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided. The information provided here does not constitute a legally binding warranty of specific characteristics or of suitability for a specific application use of the product is thus to be adapted to the user's special conditions and checked by preliminary tests. We are thus unable to guarantee product characteristics or accept an liability for damage arising in connection with the use of our products.

Literature**Reason of change****Additional information**

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.