

MATERIAL SAFETY DATA SHEET

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

50 606 - AERO CLEAN RAPID

Article No.		Issue date:	26.01.17
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name 50 606 - AERO CLEAN RAPID

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-Labor:
Mo-Do 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. 3; H226 Flammable liquid and vapour.

2.2 Label elements

Labelling (CLP)



Signal word

Warning

Hazard statements

H226 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.

2.3 Other hazards

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SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical characterisation

Water
Alcohol
nonionic surfactants

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: 30 - 50 %
CAS: 64-17-5
Eye Irrit. 2; H319 / Flam. Liq. 2; H225

Additional information

Regulation (EC) No. 648/2004 (Detergents regulation)
< 5 % nonionic surfactants

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.

4.2 Most important symptoms and effects, both acute and delayed

No data available

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

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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.

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
No special measures are required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers
Store in a well-ventilated place. Keep container tightly closed. Keep away from sources of ignition and heat.

Hints on joint storage

Storage class

Further details

Protect from frost and exposure to sun.

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

64-17-5 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.
Respiratory protection must be worn whenever the WEL levels have been exceeded.
Combination filtering device (EN 14387) Use filter type A (= against vapours of organic substances)

Hand protection

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Qualified materials: Butyl caoutchouc (butyl rubber)

Layer thickness > 0,5 mm

Breakthrough time > 480 min

Butoflex 650 - MAPA GmbH, Industriestraße 21- 25, D-27404 Zeven, Internet: www.mapa-pro.de

All information was derived in accordance with EU directive 89/686/EWG and the resultant EN 374 in cooperation with MAPA GmbH. This recommendation applies exclusively to the product and use named in Section 1. In the event of commingling or deviating conditions, contact the suppliers of CE-approved gloves.

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

Form	liquid		
Colour	blue		
Odour	weak alcoholic		
		min	max
Initial boiling point and boiling range		< 100 °C	< 100 °C
Melting point/freezing point			
Flash point/flash point range		23 °C	25 °C
Flammability			
Ignition temperature			
Auto-ignition temperature			
Explosion limits		3,5	15 Vol%
Refraction index			
Partition coefficient: n-octanol/water			
Danger of explosion			
Vapour pressure			
Density	0,93 g/ml		20 °C
PH value			
Viscosity dynamic of			
Viscosity dynamic up to			
Viscosity kinematic of			
Viscosity kinematic up to			

9.2 Other information

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.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
No data available
In case of inhalation
No data available
After swallowing
No data available
In case of skin contact
No data available
After eye contact
No data available

Practical experience

General remarks

Toxicological tests

64-17-5 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
No data available
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

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

General information

Ecotoxicological effects

64-17-5 ethanol

not required	LC50	fish		8150,000	mg/l	48h
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not required	EC50	Daphnia magna	14221,000	mg/l	48h
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number 080112 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

III

14.5 Environmental hazards

Marine Pollutant - IMDG No
Marine Pollutant - ADN

14.6 Special precautions for user

Land transport

Code: ADR/RID F1
Kemmler-number 30
Hazard label ADR 3
Limited quantities 5L
Contaminated packaging: Instructions P001 - IBC03 - LP01 - R001
Contaminated packaging: Special provisions -
Special provisions for packing together MP19
Portable tanks: Instructions T2
Portable tanks: Special provisions TP1
Tank coding LGBF
Tunnel restriction D/E
Remarks
EQ E1
Special provisions 144 - 601

Inland waterway craft

Hazard label
Limited quantities

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Transport permitted
Equipment necessary
Ventilation
Remarks
EQ
Special provisions

Sea transport

EmS	F-E, S-D
Special provisions	144 - 223
Limited quantities	5L
Contaminated packaging: Instructions	P001 - LP01
Contaminated packaging: Special provisions	-
IBC: Instructions	IBC03
IBC: Provisions	-
Tank instructions IMO	-
Tank instructions UN	T2
Tank instructions Special provisions	TP1
Stowage and segregation	category A
Properties and observations	
Remarks	
EQ	E1

Air transport

Hazard	Flammable Liquid
Passenger	355 (60L)
Passenger LQ	Y344 (10L)
Cargo	366 (220L)
ERG	3L
Remarks	
EQ	E1
Special Provisioning	A58 - A180

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

No data available

SECTION 15: Regulatory information

Bezeichner in aktueller Sprache fehlt!

National regulations

Europe

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

Germany

Storage class
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

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Hungary

Further regulations, limitations and legal requirements

Great Britain

Further regulations, limitations and legal requirements

Switzerland

Contents of VOC [%]

~ 50 %

Further regulations, limitations and legal requirements

USA

State Regulations

Signal Word

Warning !

Principal Hazards

Flammable. Causes eye irritation.

Hazardous Ingredients

Contains alcohols.

Hazard Statement

Vapor harmful. Harmful if swallowed. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Causes eye, skin, nose and throat irritation.

Precaution Statement

Keep away from heat sparks and flame. Prevent build-up of vapors by opening all windows and doors to achieve cross ventilation. Use only with adequate ventilation. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Pregnant women should avoid exposure to solvents.

First aid Statements

If swallowed, do not induce vomiting. Get medical attention immediately. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. In case of eye contact, immediately flush eyes with plenty of water for 15 minutes and get medical attention immediately. For skin, wash thoroughly with soap and water.

Children's Statement

Keep out of reach of children.

Required Statements

Conforms to ASTM D-4236. For additional health information call the Poison Control Center 1-800-222-1222.

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

Hazard statements (CLP)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.

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

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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

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Reason of change

Additional information