

Safety Data Sheet

according to Regulation (EC) No 1907/2006

673 Universal Coating

Print date: 11.05.2015

Page 1 of 12

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

1.1. Product identifier

673 Universal Coating for non-absorbent surfaces

Product group:

Abbreviation: -

REACH Registration Number: -

CAS No: -

Index No: -

EC No: -

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

Use of the substance/mixture

COATING MATERIAL, EASY-TO-CLEAN

1.3. Details of the supplier of the safety data sheet

Company name:

CCM GmbH

Street:

Diepenbroich 8

Place:

D-51491 Overath

Telephone:

+49 (0) 2206 938590-0

e-mail:

info@ccm-international.eu

Contact person:

Bernd Zimmermann

Telephone:0049 (0) 2206 938590-10

e-mail:

zimmermann@ccm-international.eu

Internet:

www.ccm-international.eu

Responsible Department:

CCM GmbH

info@ccm-international.eu

1.4. Emergency telephone

Poisson Control Center Mainz, phone +49 (0) 6131 19240

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Indications of danger: F - Highly flammable, Xi - Irritant

R phrases:

Highly flammable.

Irritating to eyes.

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

Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

2.2. Label elements

Signal word:

Danger

Pictograms:

GHS02-GHS07

Safety Data Sheet

according to Regulation (EC) No 1907/2006

673 Universal Coating

Page 2 of 12

Print date: 11.05.2015



Hazard statements

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

Precautionary statements

P337+P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P305+P351+P338 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P403+P235 Store in a well-ventilated place. Keep cool.

Special labelling of certain mixtures

100 % of the mixture consists of ingredient(s) of unknown acute toxicity.
Caution — substance not yet tested completely.
For use in industrial installations or professional treatment only.
99 % by mass of the contents are flammable.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Polymer, made of silanes with EINECS registration as well as its hydrolysates and condensates

Sum formula: -

Molecular weight: -

Hazardous components

ECNo	Chemicalname	Quantity
CASNo	ClassificationaccordingtoDirective67/548/EEC	
IndexNo	ClassificationaccordingtoRegulation(EC)No.1272/2008[CLP]	
REACHNo		
200-659-6	methanol	<0,2%
67-56-1	F-Highlyflammable,T-ToxicR11-23/24/25-39/23/24/25	
603-001-00-X	Fulm.Liq.2,AcuteTox.3,AcuteTox.3,AcuteTox.3,STOTSE1;H225H331H311	
Further Information	H301H370**	

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

SECTION 4: First aid measures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

673 Universal Coating

Page 3 of 12

Print date: 11.05.2015

4.1. Description of first aid measures

General information

Take off immediately all contaminated clothing. Move victim to fresh air. Instruct person to keep calm and warm. If victim is at risk of losing consciousness, position and transport on their side.

After inhalation

Provide fresh air. Consult physician if problems persist.

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with: Water and soap.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Consult physician. Make affected person vomit if conscious.

4.2. Most important symptoms and effects, both acute and delayed

Slightly hazardous in case of skin contact (sensitizer).

CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal) by ACGIH

MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.

TERATOGENIC EFFECTS: Classified PROVEN for human

DEVELOPMENTAL TOXICITY: Classified Development toxin [PROVEN]. Classified reproductive system/toxin/female, reproductive system/toxin/male [POSSIBLE]

The substance is toxic to blood, the reproductive system, liver, upper respiratory tract, skin, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms: Dizziness. Headache. Nausea. unconsciousness.

Nature of Hazard: Milk or fat oils and are strongly contraindicated. Caution if victim vomits: Risk of aspiration!

Treatment: Following swallowing of paraffin-oil carry out stomach pumping with animal charcoal addition agent.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Atomized water. alcohol resistant foam. dry extinguishing powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Full protective suit.

Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Vapours are heavier than air and will spread at floor level. In case of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Keep away from unprotected people. Keep upwind. Provide adequate ventilation. Remove all sources of ignition. Avoid contact with skin and eyes. Do not breathe gas/fumes/vapour/spray.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

673 Universal Coating

Print date: 11.05.2015

Page 4 of 12

6.2. Environmental precautions

Do not empty into drains or the aquatic environment. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed. Ventilate affected area. Water (with cleaning agent).

6.3. Methods and material for containment and cleaning up

Clean contaminated articles and floor according to the environmental legislation. Suitable absorbing material: Universal binding agent. Clean with detergents. Avoid solvent cleaners. Ventilate affected area.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If suction of the immediate vicinity is impossible or insufficient, the entire working place must be sufficiently ventilated using appropriate machines. Handle and open container with care. It is recommended to organize all working processes in order to exclude the following: inhalation. skin contact. Eye contact.

Advice on protection against fire and explosion

Concentrated vapours are heavier than air. Vapours may form explosive mixtures with air. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

Further information on handling

Keep in a cool, well-ventilated place.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Ensure the grounding of containers, apparatus, pumps and suction equipment.

Advice on storage compatibility

No data available

Further information on storage conditions

storage temperature: 15° C - 30° C

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CASNo	Substance	ppm	mg/m ³	fibres/ ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA(8h)	WEL
67-56-1	Methanol	-	-		STEL(15min)	WEL
		200	266		TWA(8h)	WEL
		250	333		STEL(15min)	WEL

Safety Data Sheet

according to Regulation (EC) No 1907/2006

673 Universal Coating

Print date: 11.05.2015

Page 5 of 12

DNEL/DMEL values

CASNo	Substance	Exposureroute	Effect	Value
64-17-5	ethanol,ethylalcohol			
ConsumerDNEL, long-term		oral	systemic	87mg/kgbw/day
ConsumerDNEL, long-term		dermal	systemic	206mg/kgbw/day
WorkerDNEL, long-term		dermal	systemic	343mg/kgbw/day
ConsumerDNEL, acute		inhalation	local	950mg/m ³
WorkerDNEL, acute		inhalation	local	1900mg/m ³
ConsumerDNEL, long-term		inhalation	systemic	114mg/m ³
WorkerDNEL, long-term		inhalation	systemic	950mg/m ³
67-56-1	methanol			
WorkerDNEL, acute		dermal	systemic	40mg/kgbw/day
WorkerDNEL, acute		inhalation	systemic	260mg/m ³
WorkerDNEL, acute		inhalation	local	260mg/m ³
WorkerDNEL, long-term		dermal	systemic	40mg/kgbw/day
WorkerDNEL, long-term		inhalation	systemic	260mg/m ³
WorkerDNEL, long-term		inhalation	local	260mg/m ³
ConsumerDNEL, acute		dermal	systemic	8mg/kgbw/day
ConsumerDNEL, acute		inhalation	systemic	50mg/m ³
ConsumerDNEL, acute		oral	systemic	8mg/kgbw/day
ConsumerDNEL, acute		inhalation	local	50mg/m ³
ConsumerDNEL, long-term		dermal	systemic	8mg/kgbw/day
ConsumerDNEL, long-term		inhalation	systemic	50mg/m ³
ConsumerDNEL, long-term		oral	systemic	8mg/kgbw/day
ConsumerDNEL, long-term		inhalation	local	50mg/m ³

Safety Data Sheet

according to Regulation (EC) No 1907/2006

673 Universal Coating

Page 6 of 12

Print date: 11.05.2015

PNEC values

CASNo	Substance	Environmentalcompartment	Value
64-17-5	ethanol,ethylalcohol		
		Freshwater	0,96mg/l
		Marinewater	0,79mg/l
		Freshwatersediment	3,6mg/kg
		Marinesediment	2,9mg/kg
		Soil	0,63mg/kg
		Microorganismsinsewagetreatmentplants(STP)	580mg/l
		Secondarypoisoning	2,75mg/l
67-56-1	methanol		
		Freshwater	154mg/l
		Freshwatersediment	570,4mg/kg
		Marinewater	15,4mg/l
		Soil	23,5mg/kg
		Microorganismsinsewagetreatmentplants(STP)	100mg/l

Additional advice on limit values

No data available

8.2. Exposure controls

Appropriate engineering controls

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn. In the immediate working surroundings there must be: Emergency spray installed. provide eye wash and label its location conspicuously.

Protective and hygiene measures

It is recommended to organize all working processes in order to exclude the following: inhalation. skin contact. Eye contact. After work, wash hands and face.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Protect skin by using skin protective cream. Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber). Butyl rubber. FKM (fluororubber).

Skin protection

Lab apron.

Respiratory protection

Wear respiratory protection when in the presence of vapour, dust, and aerosols. Filter respirator (full mask or mouth-piece) with filter: Manufacturer. 3M Art. Nr. 6800S (special filter for organic and inorganic gases and aerosols, 3M Art. Nr. ABEK1, particle filter for fine dust or dangerous aerosols 3M P3 Art.Nr. 5935)

Environmental exposure controls

refer to Chap. 5 and 6

Safety Data Sheet

according to Regulation (EC) No 1907/2006

673 Universal Coating

Print date: 11.05.2015

Page 7 of 12

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: colourless - pink
Odour: alcoholic

Test method

pH-Value (at 20 ° C): 2 - 4 DIN 19261

Changes in the physical state

Melting point: No data available
Initial boiling point and boiling range: No data available
Flash point: 14 ° C ISO 3679
Lower explosion limits: No data available
Upper explosion limits: No data available
Ignition temperature: No data available
Vapour pressure: No data available
Density (at 20 ° C): 0,8 g/cm³ DIN 12791
Water solubility: miscible.
Viscosity / dynamic:
(at 20 ° C) 3 - 5 mPa·s ISO 2555
Flow time:
(at 20 ° C) 18 - 24 s (3 mm) 3 DIN 53211

9.2. Other information

Solid content: 0,5 - 1,5%

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

stable at room temperature

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Keep only in the original container at temperature not exceeding 30 ° C.

10.5. Incompatible materials

Oxidizing agents. Alkalis (alkalis).

10.6. Hazardous decomposition products

No risks worthy of mention.

Further information

Caused by purity of used ethanol, it is possible that the product turns paly pink, but there's no negative effect in using it

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Safety Data Sheet

according to Regulation (EC) No 1907/2006

673 Universal Coating

Print date: 11.05.2015

Page 8 of 12

Toxicokinetics, metabolism and distribution

No data available

Acute toxicity

No data available

CASNo	Chemicalname			
	Exposureroutes	MethodDose	Species	Source
67-56-1	methanol			
	oral	LD505628mg/kg	Ratte	IUCLID
	dermal	LD5017100mg/kg	Kaninchen	
	inhalative(4h)vapour	LC5085,26mg/l	Ratte	IUCLID
	inhalativeaerosol	ATE0,5mg/l		

Severe effects after repeated or prolonged exposure

No data available

Carcinogenic/mutagenic/toxic effects for reproduction

No data available

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available

Practical experience

Observations relevant to classification

Inhalation causes narcotic effects/intoxication.

Other observations

No data available

Further information

See protective measures under point 7 and 8.

SECTION 12: Ecological information

12.1. Toxicity

No data available

CASNo	Chemicalname				
	Aquatictoxicity	MethodDose	[h][d]	Species	Source
67-56-1	methanol				
	Acutefishtoxicity	LC5015400mg/l	96h	Lepomis macrochirus	
	Acutealgaetoxicity	ErC5022000mg/l	96h	Pseudokirchneriella subcapitata	
	Acutecrustaceatoxicity	EC50>10000mg/l	48h	Daphniamagna	

12.2. Persistence and degradability

No data available

Safety Data Sheet

according to Regulation (EC) No 1907/2006

673 Universal Coating

Print date: 11.05.2015

Page 9 of 12

CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
67-56-1	methanol				
	OECD- Prüfrichtlinie 301D		99 %	30	
	Biochemischer Sauerstoffbedarf (BSB)		600 - 1120 mg/g	5	
	Chemischer Sauerstoffbedarf (CSB)		1420 mg/g		

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CASNo	Chemicalname	LogPow
67-56-1	methanol	-0,77

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Further information

Preparation not tested. The information about ecology refer to the main components.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal number of waste from residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances
Classified as hazardous waste.

Contaminated packaging

Completely emptied packings can be re-cycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

UN 1170

14.2. UN proper shipping name:

ETHANOL (ETHYL ALCOHOL)

Safety Data Sheet

according to Regulation (EC) No 1907/2006

673 Universal Coating

Print date: 11.05.2015

Page 10 of 12

14.3. Transport hazard class(es): 3

14.4. Packing group: II

Hazard label: 3



Classification code: F1

Special Provisions: 144 601

Limited quantity: 1L

Transport category: 2

Hazard No: 33

Tunnel restriction code: D/E

Other applicable information (land transport)

E2

Inland waterways transport (ADN)

14.1. UN number: UN 1170

14.2. UN proper shipping name: ETHANOL (ETHYL ALCOHOL)

14.3. Transport hazard class(es): 3

14.4. Packing group: II

Hazard label: 3



Classification code: F1

Special Provisions: 144 601

Limited quantity: 1L

Other applicable information (inland waterways transport)

E2

Marine transport (IMDG)

14.1. UN number: UN 1170

14.2. UN proper shipping name: ETHANOL (ETHYL ALCOHOL)

14.3. Transport hazard class(es): 3

14.4. Packing group: II

Hazard label: 3



Special Provisions: 144

Limited quantity: 1L

EmS: F-E, S-D

Other applicable information (marine transport)

E2

Air transport (ICAO)

14.1. UN number: UN 1170

14.2. UN proper shipping name: ETHANOL (ETHYL ALCOHOL)

14.3. Transport hazard class(es): 3

Safety Data Sheet

according to Regulation (EC) No 1907/2006

673 Universal Coating

Print date: 11.05.2015

Page 11 of 12

14.4. Packing group:

II

Hazard label:

3



Special Provisions:

A3 A58 A180

Limited quantity Passenger:

1L

IATA-packing instructions - Passenger:

353

IATA-max. quantity - Passenger:

5L

IATA-packing instructions - Cargo:

364

IATA-max. quantity - Cargo:

60 L

Other applicable information (air transport)

E2

: Y341

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

SECTION 15: Regulatory information

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

EU regulatory information

2004/42/EC (VOC): > 98% (berechnet)

National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,7,8,9,10,11,12,14,15.

Abbreviations and acronyms

www.wikipedia.com

Relevant R-phrases (Number and full text)

- 11 Highly flammable.
- 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Relevant H- and EUH-phrases (Number and full text)

- H225 Highly flammable liquid and vapour.
- H301 Toxic if swallowed.
- H311 Toxic in contact with skin.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H370 Causes damage to organs.

Further Information

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



Safety Data Sheet

according to Regulation (EC) No 1907/2006

673 Universal Coating

Print date: 11.05.2015

Product code: 09100301

Page 12 of 12

guarantee of the properties of the product. Any liability for damages, which occur in case of improper use or contact with the product/composition is excluded.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)