

Date of issue: 24.07.2013 Replaces Data Sheet of: ---

"***" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

DAB FLOW

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

- 1.1 **Product identifier**
Trade Name: DAB FLOW - TUNCHE
Article No.: n.av.
Preparation No.: n.av.
Registration No.: n.av.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
Use: Impregnation agent
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**
Dab Flow nanotechnology, Office#901 - Iris bay tower,Business Bay-Dubai, UAE.
Tele. +971557251355
- 1.3.2 **Responsible for the data sheet:**
CoSiChem AG, Ernst-Lemmer-Straße 27, D - 35041 Marburg, info@cosichem.de
- 1.4 **Emergency telephone number**
Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of Poisoning
Telephone: +49 – 211 478830 (8:30 – 16.30) Telephone: +44 870 600 6266

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
Classification and labelling according to Directive 1272/2008/EC:
None.
Classification and labelling according to Directive 1999/45/EC:
None.
- 2.2 **Label elements**
Classification according to 1272/2008/EC: No.
Applicable Exemptions:
Signal word(s): n.ap. Hazard pictogram(s):
Component(s):
- H - Phrases:**
- P - Phrases:**
- Additional Markings:
- Classification according to 1999/45/EC: No.
Applicable Exemptions:
Hazard Identification: n.ap. Hazard Symbol(s):
Component(s):
- R - Phrases: S -**
- Phrases:** Additional
- Markings:
- The above mentioned labelling is valid for distribution to industrial user.
- 2.3 **Other hazards**
Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

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SECTION 3: Composition/information on ingredients

3.1 Substances

Dangerous Ingredients:

3.2 Mixtures

Chemical Characterisation:

Preparation

Dangerous Ingredients:

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R / H - phrases
64-17-5	603-002-00-5	200-578-6	Ethanol REACH_01-2119457610-43-xxxx	1 - 5%	F GHS02	R 11 H225
67-64-1	606-001-00-8	200-662-2	Acetone	1 - 10%	F, Xi	R 11-36-66-67
						GHS02 GHS07 H225 H319 H336 EUH066

Text of R-/H- phrases: see section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1.1 Inhalation:

Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.

If symptoms persist, call a physician.

4.1.2 Skin Contact:

Rinse with water. Remove and wash contaminated clothing before re-use.

If symptoms persist, call a physician.

4.1.3 Eye Contact:

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

4.1.4 Ingestion:

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.

Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

None known

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

5.1.1 Suitable Extinguishing Media:

Use dry chemical, CO₂, water spray or "alcohol" foam.

5.1.2 Extinguishing Media to Avoid:

High volume water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:

Carbon oxides, nitrogen oxides (NO_x), hydrogen fluoride, fumes.

5.3 Advice for firefighters

5.3.1 Special Protective Equipment:

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information:

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cool containers / tanks with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

See chapter 8.2.2

Provide sufficient ventilation. Contaminated surfaces will be extremely slippery.

6.2 Environmental precautions

Do not contaminate water. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

None.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Precautions for Safe Handling:

Avoid contact with skin and eyes. Take off all contaminated clothing immediately.
When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.
Do not breathe vapours or spray mist.

7.1.2 Precautions in Case of Fire and Explosion:

Normal measures for preventive fire protection.
Keep product and empty container away from heat and sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Storage Instructions:

Keep containers tightly closed in a dry, cool and well-ventilated place.
Protect from light, moisture and damage.
Unsuitable materials for containers: steel, ABS; PS; PC; PUR, polyethylene.
Suitable materials for containers: PA, PTFE; PP; PVC glass, aluminium.

7.2.2 Store away from:

Do not store together with oxidizing agents, strong acids and strong bases.

7.2.3 Further Information on Storage Conditions:

Keep at temperatures between 5 and 30°C. Keep away from heat.

7.3 Specific end use(s)

n.av.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Material

Ethanol

Acetone

Limit Value

500 ppm | 960 mg/m³

500 ppm | 1200 mg/m³, TWA: 500 ppm | 1210 mg/m³

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide appropriate exhaust ventilation at machinery.

8.2.2 Individual protection measures

8.2.2a Respiratory Protection:

Not required under normal use

8.2.2b Hand Protection:

Protective gloves complying with EN 374.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Preventive skin protection: Use protective skin cream before handling the product.

8.2.2c Eye Protection:

In case of contact through splashing: safety glasses

8.2.2d Skin Protection:

Protective suit

8.2.2e Further Information:

Observe wearing time limits:

8.2.3 Environmental exposure controls:

n.av.

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

9.1.1	Form: liquid	Colour: light yellow	Odour: mild acetone
			Odour threshold: n.av.
9.1.2	pH-value, undiluted:	4, pH-value, 1% aqueous solution:	n.av.
9.1.3	Boiling point / Boiling - range (°C):	56, Melting point / Melting range (°C):	-20
9.1.4	Flash point (°C):	n.ap., closed cup	
9.1.5	Flammability (EEC A10/A13):	No.	
9.1.6	Ignition temperature (°C):	425	
9.1.7	Autoflammability (EEC A16):	None.	
9.1.8	Oxidising properties:	No.	
9.1.9	Explosion hazard:	No.	
9.1.10	Explosion limits (Vol.%) lower:	2,5 (acetone), upper: 15 (ethanol)	
9.1.11	Vapour pressure: / Vapour density (Air = 1):	n.av. / n.av.	
9.1.12	Density (g/ml):	0,98	
9.1.13	Solubility (in Water):	completely miscible	
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	1,18 mm ² / s	
9.1.16	Solvent content (m %):	5 – 10	
9.1.17	Thermal decomposition (°C):	n.av.	
9.1.18	Evaporation rate:	n.av.	
9.2	Other information		
	n.av.		

SECTION 10: Stability and reactivity

10.1	Reactivity
	None.
10.2	Chemical stability
	Stable under normal conditions.
10.3	Possibility of hazardous reactions
	No dangerous reaction known under conditions of normal use.
10.4	Conditions to avoid
	No conditions to be specially mentioned.
10.5	Incompatible materials
	Incompatible with oxidizing agents. strong acids and strong bases
10.6	Hazardous decomposition products
	No decomposition if stored and applied as directed.
	To avoid thermal decomposition, do not overheat.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**11.1.1 **Substances:** n.a.**11.1.2 Mixtures**

Acute Toxicity:	
Inhalation:	n.av.
Ingestion:	n.av.
Skin Contact:	n.av.
Irritation / corrosion (to skin / eye):	Slight
Sensitisation:	n.av.
Carcinogenicity:	n.av.
Mutagenicity:	n.av.
Teratogenicity:	n.av.
Narcotic Effects:	None.

11.1.3 – 11.1.12 : **Practical Experience:** n.av.**11.1.13 Practical Experience**

Observations relevant for classification: None.

Further Observations:

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Classification of the preparation has been done by calculation in accordance with EEC directives.

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SECTION 12: Ecological information

- 12.1 **Toxicity**
We have no quantitative data concerning the ecological effects of this product.
Ecological injuries are not known or expected under normal use.
- 12.2 **Persistence and degradability**
No data is available on the product itself.
- 12.3 **Bioaccumulative potential**
n.av.
- 12.4 **Mobility in soil**
n.av.
- 12.5 **Results of PBT and vPvB assessment**
n.av.
- 12.6 **Other adverse effects**
- 12.6.1 COD-Value, mg/g: n.av.
- 12.6.2 BOD₅-Value, mg/g: n.av.
- 12.6.3 AOX-Remarks: Not applicable.
- 12.6.4 Significant Components: n.av.
- 12.6.5 Other adverse effects: Not applicable.

SECTION 13: Disposal considerations

- 13.1 **Waste treatment methods**
- 13.1.1 Recommendation: D 10
- Waste - Code - No.:
The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
- In addition comply with the regional authorities.
- 13.2 **Contaminated Packaging**
- 13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.
- 13.2.2 Safe Handling: As described under Residues. Handle in accordance with good industrial hygiene and safety practice.

SECTION 14: Transport information

	ADR	IMDG	IATA
	Not a dangerous substance as defined in the above regulations.	Not a dangerous substance as defined in the above regulations.	Not a dangerous substance as defined in the above regulations.
14.1	UN number		
14.2	UN proper shipping name		
14.3	Transport hazard class(es)		
14.4	Packing group		
14.5	Environmental hazards		
14.6	Special precautions for user		
	Transport-category: Classification Code: Hazard - No.: LQ:		Packing Instructions (Passenger) Packing Instructions (Cargo)
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		

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SECTION 15: Regulatory information

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

No data available.

15.2 Chemical safety assessment :

None.

SECTION 16: Other information

Text of R / H phrases mentioned in Section 3

R 11: Highly flammable.

R 36: Irritating to eyes.

R 66: Repeated exposure may cause skin dryness or cracking.

R 67: Vapours may cause drowsiness and dizziness.

EUH066: Repeated exposure may cause skin dryness or cracking.

H 225: Highly flammable liquid and vapour.

H 319: Causes serious eye irritation.

H 336: May cause drowsiness or dizziness.

This datasheet has been compiled in accordance with EU regulation 453/201.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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