

SAFETY DATA SHEET

Dencrete Multi Part A

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

1.1. Product identifier

Trade name

Dencrete Multi Part A

REACH registration number

-

Other means of identification

-

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

Relevant identified uses of the substance or mixture

Polyol

Relevant identified uses of the substance or mixture (REACH)

No special

Uses advised against

No special

1.3. Details of the supplier of the safety data sheet

Company and address

Dencoat

E-mail: info@dencoat.com

Website: www.dencoat.com

SDS date

2021-03-16

SDS Version

1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

2.2. Label elements

Hazard pictogram(s)

Not applicable

Signal word

Not applicable

Hazard statement(s)

Not applicable

Safety statement(s)

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2015/830

General

-

Prevention

-

Response

-

Storage

-

Disposal

-

2.3. Other hazards

Additional labelling

Safety data sheet available on request.

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Product/Ingredient name	Identifiers	% w/w	Classification	Note
Hydrocarbons, C9, aromatics	CAS No.: EC No.: 918-668-5 REACH No.: 01-2119455851-35-xxxx Index No.: 649-356-00-4	1-3%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

EU: European occupational exposure limit

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person’s condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on

vomited material.

Burns

Not applicable

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

No special

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

No special

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

No special

5.2. Special hazards arising from the substance or mixture

Fire will result in dense black smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides.

Carbon oxides.

5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste.

See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container.

Storage temperature

Room temperature 18 to 23°C

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2015/830

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Propane-1,2-diol

Long term exposure limit (8 hours): 150(total) ppm

Long term exposure limit (8 hours): 474(total)/10(particulates) mg/m³

—
2-methoxy-1-methylethyl acetate

Long term exposure limit (8 hours): 50 ppm

Long term exposure limit (8 hours): 274 mg/m³

Short term exposure limit (15 minutes): 100 ppm

Short term exposure limit (15 minutes): 548 mg/m³

Annotations:

Sk: Can be absorbed through the skin and lead to systemic toxicity.

—
Amorphous silica gel

Long term exposure limit (8 hours): 6 (inhalable)/2.4 (respirable) mg/m³

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
EH40/2005 Workplace exposure limits (Fourth Edition 2020)

DNEL

Product/Ingredient name	DNEL	Route of exposure	Duration
Hydrocarbons, C9, aromatics	25 mg/kg bw/d	Dermal	Long term – Systemic effects - Workers
Hydrocarbons, C9, aromatics	150 mg/m ³	Inhalation	Long term – Systemic effects - Workers
Hydrocarbons, C9, aromatics	11 mg/kg bw/d	Dermal	Long term – Systemic effects - General population
Hydrocarbons, C9, aromatics	32 mg/m ³	Inhalation	Long term – Systemic effects - General population
Hydrocarbons, C9, aromatics	11 mg/kg bw/d	Oral	Long term – Systemic effects - General population
2-methoxy-1-methylethyl acetate	153,5 mg/kg	Dermal	Long term – Systemic effects - Workers
2-methoxy-1-methylethyl acetate	275 mg/kg	Inhalation	Long term – Systemic effects - Workers
2-methoxy-1-methylethyl acetate	54,8 mg/kg	Dermal	Long term – Systemic effects - General population
2-methoxy-1-methylethyl acetate	33 mg/kg	Inhalation	Long term – Systemic effects - General population
2-methoxy-1-methylethyl acetate	1,67 mg/kg	Oral	Long term – Systemic effects - General population

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2015/830

PNEC

Product/Ingredient name	PNEC	Route of exposure	Duration of Exposure
2-methoxy-1-methylethyl acetate	0,635 mg/l	Freshwater	No data available
2-methoxy-1-methylethyl acetate	0,0635 mg/l	Marine water	Continuous
2-methoxy-1-methylethyl acetate	6,35 mg/l	Sewage Treatment Plant	No data available
2-methoxy-1-methylethyl acetate	100 mg/l	Sewage Treatment Plant	No data available
2-methoxy-1-methylethyl acetate	3,29 mg/Kg	Freshwater sediment	No data available
2-methoxy-1-methylethyl acetate	0,329 mg/kl	Marine water sediment	No data available
2-methoxy-1-methylethyl acetate	0,29 mg/kg	Soil	No data available

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, eating and drinking are not allowed in the work premises

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

Hygiene measures

Wash hands after use.

Measures to avoid environmental exposure

No specific requirements

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

No specific requirements

Skin protection

No specific requirements

Hand protection

No specific requirements

Eye protection

Work situation	Recommended	Standards
	Wear safety glasses with side shields.	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form

Liquid

Colour

White

Odour

Faint

Odour threshold (ppm)

Testing not relevant or not possible due to nature of the product.

pH

9-9,3

Density (g/cm³)

1,01-1,02

Viscosity

200-400 mPa.s

Phase changes

Melting point (°C)

Testing not relevant or not possible due to nature of the product.

Boiling point (°C)

Testing not relevant or not possible due to nature of the product.

Vapour pressure

Testing not relevant or not possible due to nature of the product.

Vapour density

Testing not relevant or not possible due to nature of the product.

Decomposition temperature (°C)

Testing not relevant or not possible due to nature of the product.

Evaporation rate (n-butylacetate = 100)

Testing not relevant or not possible due to nature of the product.

Data on fire and explosion hazards

Flash point (°C)

Testing not relevant or not possible due to nature of the product.

Ignition (°C)

Testing not relevant or not possible due to nature of the product.

Auto flammability (°C)

Testing not relevant or not possible due to nature of the product.

Explosion limits (% v/v)

Testing not relevant or not possible due to nature of the product.

Explosive properties

Testing not relevant or not possible due to nature of the product.

Oxidizing properties

Testing not relevant or not possible due to nature of the product.

Solubility

Solubility in water

Testing not relevant or not possible due to nature of the product.

n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

9.2. Other information

SECTION 10: Stability and reactivity

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2015/830

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

No special

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Product/Ingredient name	Species	Test	Route of exposure	Result
Propane-1,2-diol	Rat	LD50	Oral	20000.00 mg/kg
Propane-1,2-diol	Rabbit	LD50	Dermal	2000.00 mg/kg
Propane-1,2-diol	Rabbit	LC50 (2 hours)	Inhalation	317.00 mg/l
Hydrocarbons, C9, aromatics	Rabbit	LD50	Dermal	3160.00 mg/l
2-methoxy-1-methylethyl acetate	Rat	LD50	Oral	5000.00 mg/kg
Amorphous silica gel	Rat	LD50	Oral	5000.00 mg/kg
Amorphous silica gel	Rabbit	LD50	Dermal	2000.00 mg/kg

Skin corrosion/irritation

Product/Ingredient name	Species	Test	Duration	Observation Period	Irritation Parameter	Result
Hydrocarbons, C9, aromatics	Rabbit	OECD 404	No data available.	No data	overall irritation score	No adverse effect observed (Not irritating)
2-methoxy-1-methylethyl acetate	Rabbit	OECD 404	No data available.	No data	overall irritation score	No adverse effect observed (Not irritating)
Amorphous silica gel	-	OECD 404	No data available.	24 hours	overall irritation score	No adverse effect observed (Not irritating)

Serious eye damage/irritation

Product/Ingredient name	Species	Test	Duration	Observation Period	Irritation Parameter	Result
Hydrocarbons, C9, aromatics	Rabbit	OECD 405	No data available.	No data	overall irritation score	No adverse effect observed (Not irritating)

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2015/830

2-methoxy-1-methylethyl acetate	Rabbit	OECD 405	No data available.	No data	overall irritation score	No adverse effect observed (Not irritating)
Amorphous silica gel	Rabbit	OECD 405	No data available.	24 hours	overall irritation score	No adverse effect observed (Not irritating)

Respiratory or skin sensitisation

Product/Ingredient name	Species	Test	Result
Hydrocarbons, C9, aromatics	Guinea pig	OECD 406	Negative

Germ cell mutagenicity

Product/Ingredient name	Species	Test	Result
Amorphous silica gel	-	OECD 471	Negative

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Long term effects

No special

Other information

No special

SECTION 12: Ecological information

12.1. Toxicity

Product/Ingredient name	Species	Test	Duration	Result
Propane-1,2-diol	Fish (Oncorhynchus mykiss)	LC50	96 hours	40613.00 mg/l
Propane-1,2-diol	Daphnia (Ceriodaphnia dubia)	LC50	48 hours	18340.00 mg/l
Propane-1,2-diol	Algae (Pseudokirchneriella subcapitata)	ErC50	48 hours	18340.00 mg/l
Propane-1,2-diol	Bacteria (Pseudomonas putida)	NOEC	18 hours	20000.00 mg/l
Propane-1,2-diol	Daphnia	NOEC	7 days	13020.00 mg/l

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2015/830

(Ceriodaphnia dubia)				
Hydrocarbons, C9, aromatics	Fish	LL50	96 hours	9.20 mg/l
Hydrocarbons, C9, aromatics	Daphnia (Daphnia magna)	EC50	48 hours	3.20 mg/l
Hydrocarbons, C9, aromatics	Algae (Pseudokirchneriella subcapitata)	EC50	72 hours	2.60 mg/l
2-methoxy-1-methylethyl acetate	Fish	LC50	96 hours	100.00 mg/l
2-methoxy-1-methylethyl acetate	Algae (Pseudokirchneriella subcapitata)	EC50	96 hours	1000.00 mg/l
Amorphous silica gel	Fish (Brachydanio rerio)	LC50	96 hours	10000.00 mg/l
Amorphous silica gel	Daphnia	EC50	48 hours	1000.00 mg/l

12.2. Persistence and degradability

Product/Ingredient name	Biodegradability	Test	Result
Propane-1,2-diol	Yes	OECD 301 F (Manometric Respirometry Test)	81 %
Hydrocarbons, C9, aromatics	Yes	OECD 301 F (Manometric Respirometry Test)	> 60 %
2-methoxy-1-methylethyl acetate	Yes	OECD 301 F (Manometric Respirometry Test)	> 60 %

12.3. Bioaccumulative potential

Product/Ingredient name	Potential bioaccumulation	LogPow	BCF
Propane-1,2-diol	No	-1.07	0.0900000
2-methoxy-1-methylethyl acetate	No	1,2	No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2015/830

EWC code

Not applicable

Specific labelling

Not applicable

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 - 14.4

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

Not applicable

IMDG

Not applicable

IATA

Not applicable

Marine pollutant

No

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

Restrictions for application

No specific requirements

No special

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances:

Not applicable

Additional information

Not applicable

Sources

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

Regulation (EC) 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.

H304, May be fatal if swallowed and enters airways.

H336, May cause drowsiness or dizziness.

H411, Toxic to aquatic life with long lasting effects.

H335, May cause respiratory irritation.

Abbreviations and acronyms

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2015/830

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVCB = Complex hydrocarbon substance
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable

The safety data sheet is validated by

Philip De Vos

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.