

Safety data sheet

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BASF Safety data sheet

Date / Revised: 02.06.2014

Product: **Dehyton® P CAW**

Version: 2.0

(30531726/SDS_GEN_VN/EN)

Date of print 03.06.2014

1. Substance/preparation and manufacturer/supplier identification

Dehyton® P CAW

Use: Raw material for the chemical-technical industry

Manufacturer/supplier:

BASF Vietnam Co. Ltd.

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Thuan An, Binh Duong, VIETNAM

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2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 1

Hazardous to the aquatic environment - acute: Cat. 2

Label elements and precautionary statement:

Pictogram:



Signal Word:

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Danger

Hazard Statement:

| Causes serious eye damage. Causes skin irritation. Toxic to aquatic life.

Precautionary Statements (Prevention):

| Wear protective gloves and eye/face protection. Avoid release to the environment. Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

| IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (on hair): Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Precautionary Statements (Disposal):

| Dispose of contents/container to hazardous or special waste collection point.

Other hazards which do not result in classification:

No specific dangers known, if the regulations/notes for storage and handling are considered.

Amides, coco, N-[3-(dimethylamino)propyl], N-oxides

3. Composition/information on ingredients

Chemical nature

Aqueous solution based on: Amides, coco, N-[3-(dimethylamino)propyl], N-oxides

Hazardous ingredients

Amides, coco, N-[3-(dimethylamino)propyl], N-oxides

Content (W/W): $\geq 25\%$ - $< 50\%$	Skin Corr./Irrit.: Cat. 2
CAS Number: 68155-09-9	Eye Dam./Irrit.: Cat. 1
	Aquatic Acute: Cat. 2

| Amides, coco, N-(3-(dimethylamino)propyl)

Content (W/W): $\geq 0\%$ - $< 3\%$	Acute Tox.: Cat. 4 (oral)
CAS Number: 68140-01-2	Skin Corr./Irrit.: Cat. 1B
	Eye Dam./Irrit.: Cat. 1
	Aquatic Acute: Cat. 1
	Aquatic Chronic: Cat. 2
	M-factor acute: 1

4. First-Aid Measures

General advice:

Remove contaminated clothing. If adverse health effects develop seek medical attention.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

On skin contact:

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:

water spray, dry powder, foam

Specific hazards:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Information regarding personal protective measures see, section 8.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For large amounts: Dike spillage. Pump off product.

For residues: Pick up with suitable absorbent material.

Dispose of absorbed material in accordance with regulations.

Additional information: High risk of slipping due to leakage/spillage of product.

7. Handling and Storage

Handling

| No special measures necessary provided product is used correctly.

Protection against fire and explosion:

| No special precautions necessary.

Storage

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4301 (V2), Stainless steel 1.4306 (V2A), Stainless steel 1.4361, Stainless steel 1.4401, Stainless steel 1.4541, Stainless steel 1.4571, Stove-lacquer RDL 50, Steel with polyethylene liner, enamelled, epoxy coated, Stainless steel 1.4439, Stainless steel 1.4539

| Further information on storage conditions: Keep container tightly closed and in a cool place.

Storage stability:

Storage temperature: $\leq 50\text{ }^{\circ}\text{C}$

The packed product is not damaged by low temperatures or by frost. Bulk must be protected from solidification.

Protect from temperatures above: $50\text{ }^{\circ}\text{C}$

Properties of the product change irreversibly on exceeding the limit temperature.

8. Exposure controls and personal protection

Components with occupational exposure limits

| No occupational exposure limits known.

Personal protective equipment

Respiratory protection:

| Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

| Chemical resistant protective gloves

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

| nitrile rubber (NBR) - 0.4 mm coating thickness

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

| Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

| Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Wearing of closed work clothing is required additionally to the stated personal protection equipment. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	liquid	
Colour:	slightly yellowish	
Odour:	product specific	
Odour threshold:	not applicable	
pH value:	6 (water, 5 %(m))	(DIN EN 1262)
pour point:	-2 °C	(DIN ISO 3016)
Boiling point:	approx. 100 °C contains water	
Flash point:	A flash point determination is unnecessary due to the high water content.	
Evaporation rate:	not determined	
Flammability (solid/gas):	Based on the structure or composition there is no indication of flammability	
Lower explosion limit:	Study does not need to be conducted.	
Upper explosion limit:	Study does not need to be conducted.	
Ignition temperature:	> 300 °C	
Thermal decomposition:	> 300 °C	(DTA)
Self ignition:	not self-igniting	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	No data available.	

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Density:	1 g/cm ³ (20 °C)	(DIN 51757)
	0.99 g/cm ³ (40 °C)	(DIN 51757)
Relative density:	No data available.	
Relative vapour density (air):	not determined	
Solubility in water:	soluble	
Hygroscopy:	Non-hygroscopic	
Solubility (qualitative) solvent(s):	Alkalines soluble	
Partitioning coefficient n-octanol/water (log Pow):	not applicable	
Surface tension:	30 mN/m (23 °C; 1 g/l)	(DIN EN 14370)
Viscosity, dynamic:	30 mPa.s (23 °C)	(DIN EN 12092)
	20 mPa.s (40 °C)	(DIN EN 12092)
	< 20 mPa.s (60 °C)	(DIN EN 12092)

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

Thermal decomposition: > 300 °C (DTA)

Substances to avoid:

acids, Alkalines, caustics, halogens, reactive chemicals

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion.

Experimental/calculated data:

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LD50 (oral): > 5,000 mg/kg

LC50 rat (by inhalation):
not determined

LD50 rat (dermal):
not determined

Irritation

Assessment of irritating effects:
May cause severe damage to the eyes.

Skin contact causes irritation.

Experimental/calculated data:
Skin corrosion/irritation: Irritant.

Serious eye damage/irritation: irreversible damage

Respiratory/Skin sensitization

Assessment of sensitization:
No data available.

Germ cell mutagenicity

Assessment of mutagenicity:
No data available concerning mutagenic effects.

Carcinogenicity

Assessment of carcinogenicity:
No data available concerning carcinogenic effects.

Reproductive toxicity

Assessment of reproduction toxicity:
No data available.

Developmental toxicity

Assessment of teratogenicity:
No data available.

Specific target organ toxicity (single exposure):

Remarks: No data available.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
No data available.

Aspiration hazard

| No aspiration hazard expected.

Other relevant toxicity information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:
Acutely toxic for aquatic organisms.

Toxicity to fish:
LC50 > 1 - 10 mg/l

Aquatic invertebrates:
LC50 (48 h), daphnia
No data available.

Aquatic plants:
EC50 (72 h), algae
No data available.

Microorganisms/Effect on activated sludge:
EC0 > 100 mg/l

Chronic toxicity to fish:
| No data available.

Chronic toxicity to aquatic invertebrates:
| No data available.

Assessment of terrestrial toxicity:
| No data available concerning terrestrial toxicity.

Mobility

Assessment transport between environmental compartments:
The substance will not evaporate into the atmosphere from the water surface.
Adsorption to solid soil phase is possible.

Additional information

Add. remarks environm. fate & pathway:
| Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:

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The product has not been tested. The statement has been derived from the properties of the individual components.

13. Disposal Considerations

| Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

| Uncontaminated packaging can be re-used.

| Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information

Domestic transport:

Not classified as a dangerous good under transport regulations

Sea transport IMDG

Not classified as a dangerous good under transport regulations

Air transport IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Regulations of the European union (Labelling)

Directive 1999/45/EC ('Preparation Directive'):

Hazard symbol(s)

Xi Irritant.

R-phrases(s)

R38 Irritating to skin.
 R41 Risk of serious damage to eyes.

S-phrases(s)

S24/25 Avoid contact with skin and eyes.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28.2 After contact with skin, wash immediately with plenty of water.
 S37/39 Wear suitable gloves and eye/face protection.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at

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the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

Hazard determining component(s) for labelling: Amides, coco, N-[3-(dimethylamino)propyl], N-oxides

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

16. Other Information

Information on intended use: This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This includes the mentioned and recommended usage. Any other intended applications should be discussed with the manufacturer. In particular this concerns the application for products that are the object of special standards and regulations.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.