

SAFETY DATA SHEET

according to the Globally Harmonized System

MORWET D-425 POWDER

Version 3

Revision Date 02.09.2020

Print Date 30.12.2020

IN / EN

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Information
 Trade name : MORWET D-425 POWDER

Use of the Substance/Mixture : Specific use(s): Surfactant

Company : Nouryon Surface Chemistry AB
 Stenunge Alle 3
 SE 444 85 Stenungsund
 Sweden


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2. HAZARDS IDENTIFICATION

GHS-Classification

Serious eye damage/eye irritation, Category 2A

GHS-Labeling

Hazard pictograms : 

Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

MORWET D-425 POWDER

Version 3

Revision Date 02.09.2020

Print Date 30.12.2020

IN / EN

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P317 If eye irritation persists: Get medical help.

Other hazards which do not result in classification

Risk of dust explosion.

No further data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Substance

Hazardous components

| Chemical name | CAS-No. | GHS Classification | Concentration[%] |
|---|------------|--------------------------|------------------|
| Alkylnaphthalenesulfonic acid, polymer with formaldehyde, sodium salt | 68425-94-5 | Eye Dam./Irrit. 2A; H319 | >= 80 - < 100 |

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.

Inhalation : Remove to fresh air.
Keep patient warm and at rest.
Rinse nose and mouth with water.

Skin contact : Take off contaminated clothing and shoes immediately.
Rinse immediately with plenty of water.

Eye contact : Rinse with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
Obtain medical attention.

Ingestion : Clean mouth with water and drink afterwards plenty of water.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

MORWET D-425 POWDER

Version 3

Revision Date 02.09.2020

Print Date 30.12.2020

IN / EN

Notes to physician

- Symptoms : The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.
- Treatment : Treat symptomatically.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during firefighting / Specific hazards arising from the chemical : Do not allow run-off from fire fighting to enter drains or water courses.
Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.
- Combustion products : Carbon oxides
Sulphur oxides
Metal oxides
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal precautions : Use personal protective equipment.
Avoid dust formation.
Avoid breathing dust.
Ensure adequate ventilation.
- Emergency measures on accidental release : Evacuate personnel to safe areas.
Only qualified personnel equipped with suitable protective equipment may intervene.
Prevent unauthorised persons entering the zone.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up / Methods for containment : Pick up and arrange disposal without creating dust.
Sweep up and shovel.
Keep in suitable, closed containers for disposal.

MORWET D-425 POWDER

Version 3

Revision Date 02.09.2020

Print Date 30.12.2020

IN / EN

Reference to other sections : For disposal considerations see section 13.
For personal protection see section 8.

7. HANDLING AND STORAGE

Handling

Advice on safe handling : For personal protection see section 8.
Avoid formation of respirable particles.
Avoid contact with skin, eyes and clothing.
Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.
No sparking tools should be used.

Dust explosion class : St1

Storage

Requirements for storage areas and containers : Keep in a dry place.
Store at room temperature in the original container.
Keep container tightly closed.

Other data : No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Engineering controls

Provide appropriate exhaust ventilation at places where dust is formed.
Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Respiratory protection : Half mask with a particle filter P2 (EN 143)

Hand protection : Neoprene
Nitrile rubber

Eye protection : Tightly fitting safety goggles

Skin and body protection : Protective suit

MORWET D-425 POWDER

Version 3

Revision Date 02.09.2020

Print Date 30.12.2020

IN / EN

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : powder
Colour : brown
Odour : pungent
Odour Threshold : No data available

Safety data

pH : 7.5 - 10 at 5 % solution
Melting point/freezing point : No data available
Boiling point/boiling range : Not applicable
Flash point : > 100 °C
Method: Pensky-Martens closed cup
Ignition temperature : > 100 °C
Evaporation rate : No data available
Flammability (solid, gas) : May form combustible dust concentrations in air during processing, handling or other means.
Flammability (liquids) : Not applicable
Lower explosion limit : No data available
Upper explosion limit : No data available
Vapour pressure : Not applicable
Relative vapour density : Not applicable
Relative density : No data available

MORWET D-425 POWDER

Version 3

Revision Date 02.09.2020

Print Date 30.12.2020

IN / EN

| | |
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| Water solubility | : soluble |
| Solubility in other solvents | : Acetone Methanol soluble |
| Partition coefficient: n-octanol/water | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, dynamic | : at 20 °C Not applicable |
| Viscosity, kinematic | : at 20 °C Not applicable |
| Dust explosion class | : St1 |
| Dust deflagration index (Kst) | : 122 m.b_/s |
| Explosive properties | : Not explosive |
| Minimum ignition energy | : > 500 mJ |
| Oxidizing properties | : The substance or mixture is not classified as oxidizing. |

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

10. STABILITY AND REACTIVITY

| | |
|----------------------------------|--|
| Conditions to avoid | : None known. |
| Materials to avoid | : None known. |
| Hazardous decomposition products | : No hazardous decomposition products are known. |
| Thermal decomposition | : No data available |
| Reactivity | : Stable under normal conditions. |
| Chemical stability | : Stable under recommended storage conditions. |
| Hazardous reactions | : Dust may form explosive mixture in air. |

MORWET D-425 POWDER

Version 3

Revision Date 02.09.2020

Print Date 30.12.2020

IN / EN

11. TOXICOLOGICAL INFORMATION

Product information:

Potential Health Effects

- Inhalation : Thermal decomposition can lead to release of irritating gases and vapours.
Product dust may be irritating to the respiratory system.
- Skin : Product dust may be irritating to skin.
May cause skin irritation.
- Eyes : Causes serious eye irritation.
- Ingestion : May cause irritation of the mucous membranes.
- Aggravated Medical Condition : None known.
- Symptoms of Overexposure : The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.

Toxicology Assessment

- Further information : No further data available.

Toxicology data for the components:

Test result

Component: Alkyl-naphthalenesulfonic acid, polymer with formaldehyde, sodium salt

- Acute oral toxicity : LD50: > 5,000 mg/kg
Species: Rat
- Eye irritation : Result: Irritating to eyes.

12. ECOLOGICAL INFORMATION

Product information:

Ecotoxicology Assessment

- Additional ecological information : None known.

Components:

Test result

MORWET D-425 POWDER

Version 3

Revision Date 02.09.2020

Print Date 30.12.2020

IN / EN

Component: Alkyl-naphthalenesulfonic acid, polymer with formaldehyde, sodium salt

Ecotoxicity effects

- Toxicity to fish : LC50: > 10 - 100 mg/l
Exposure time: 96 h
Species: Danio rerio (zebra fish)
Method: OECD Test Guideline 203
Read-across (Analogy)
- Toxicity to daphnia and other aquatic invertebrates : > 100 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 202
Read-across (Analogy)
- Toxicity to algae : EC50: > 100 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae)
Method: OECD Test Guideline 201
Read-across (Analogy)
- EC10: > 100 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae)
Method: OECD Test Guideline 201
Read-across (Analogy)
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC10: > 10 - 100 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211
Read-across (Analogy)

Elimination information (persistence and degradability)

- Bioaccumulation : No bioaccumulation is expected.
- Mobility : No data available
- Biodegradability : Result: Not readily biodegradable.
Read-across (Analogy)

Further information on ecology

- Biochemical Oxygen Demand (BOD) : No data available

13. DISPOSAL CONSIDERATIONS

- Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with

MORWET D-425 POWDER

Version 3

Revision Date 02.09.2020

Print Date 30.12.2020

IN / EN

chemical or used container.
Dispose of contents/container in accordance with local regulation.

: Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Dispose of contents/container in accordance with local regulation.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.

14. TRANSPORT INFORMATION

International Regulations

ADR

Not regulated as a dangerous good

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

Further information for transport

Not classified as dangerous in the meaning of transport regulations.

Land transport

Not regulated as a dangerous good

15. REGULATORY INFORMATION

Notification status

TCSI : YES. On the inventory, or in compliance with the inventory
AICS : YES. On the inventory, or in compliance with the inventory
DSL : YES. All components of this product are on the Canadian DSL
ENCS : YES. On the inventory, or in compliance with the inventory
ISHL : YES. On the inventory, or in compliance with the inventory
NZIoC : YES. On the inventory, or in compliance with the inventory
KECI : YES. On the inventory, or in compliance with the inventory
PICCS : YES. On the inventory, or in compliance with the inventory
IECSC : YES. On the inventory, or in compliance with the inventory
TSCA : YES. All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.

For explanation of abbreviation see section 16.

Further information : none

16. OTHER INFORMATION

Full text of H-Statements

H319 : Causes serious eye irritation.

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; AII - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

MORWET D-425 POWDER

Version 3

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