deffner & Johann

Supplies for RESTORATION | CONSERVATION | ART HANDLING – SINCE 1880

SAFETY DATA SHEET

2558 101 | Dispersion K 360

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2558 101 Dispersion K 360

1. Identification of the Substance/Mixture and of the Company/Undertaking

1. 1. Product Identifier

Product Name: *Dispersion K 360*

Article No.: *2558 101*

1. 2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Raw material for industrial purposes

Uses advised against:

1. 3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: *Deffner & Johann GmbH*

Address: *Mühläckerstraße 13, D-97520 Röthlein, Germany*

Tel./Fax.: *Tel. +49 9723 9350-0, Fax +49 9723 9350-25*

Internet: *www.deffner-johann.de*

EMail: *info@deffner-johann.de*

Importer: --

1. 4. Emergency No.

+49 9723 9350-0 (Mo. - Fr.: 8:00 - 15:00 Uhr)

Emergency No.:

2. Hazards Identification

2. 1. Classification of the Substance or Mixture

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

Eye irritation, hazard category 2

H319 Causes serious eye irritation.

Cat.: 2

Classification according to Directive No. 67/548/EC or No. 1999/45/EC

Safety Phrases:

Possible Environmental Effects:

2. 2. Label Elements

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

Hazard designation:

GHS07-1

Signal word:

Warning

Hazard designation:

H319 Causes serious eye irritation.

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EUH208	May produce an allergic reaction.

Safety designation:

P264	Wash thoroughly after handling.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/ attention.

Hazardous components for labelling:

2. 3. Other Hazards

Contains 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methly-2H-isothiazol-3-one (3:1). Can cause allergic reactions.
The treated product contains biocidal products.

3. Composition/Information on Ingredients

3. 1. Substance

3. 2. Mixture

Chemical Characterization: *Aqueous dispersion of a thermoplastic acrylic polymer*

Information on Components / Hazardous Ingredients:

Fatty Alcohol Ether Sulphate (Xi; R36-41; H315-318)	< 3 %	CAS-Nr: 219756-63-5 EINECS-Nr: EC-Nr:
Ammnonia, anhydrous (T,C,N; R10-23-34-50; H221-314-331-400); REACH-Reg.-Nr. 01-2119488876-14	< 0.1 %	CAS-Nr: 7664-41-7 EINECS-Nr: 231-635-3 EC-Nr:

Additional information:

4. First Aid Measures

4. 1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

Supply fresh air.

After skin contact:

Remove contaminated clothing.
Wash off immediately with soap and plenty of water and rinse thoroughly.

After eye contact:

Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.

After ingestion:

Do NOT induce vomiting. Consult a doctor.

4. 2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

Swallowing: may cause stomach irritation, nausea, vomiting and diarrhea.
Prolonged or repeated contact can irritate eyes and skin.

Effects:

4. 3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

No further information available.

5. Fire-Fighting Measures

5. 1. Extinguishing Media

Suitable extinguishing media:

Product itself does not burn.
Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

5. 2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: hazardous gases/vapors may be released.

5. 3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

Avoid contamination of sewage system, open water ways and ground water.

6. Accidential Release Measures

6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear appropriate protective equipment. Keep spectators away.

6. 2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.

6. 3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with absorbent material (sand, diatomaceous earth, acid binder, universal absorbent, saw dust) and dispose accordingly.

6. 4. Reference to other Sections

Protective clothing, see Section 8.

7. Handling and Storage

7. 1. Precautions for Safe Handling

Instructions on safe handling:

Avoid contact with eyes, skin and clothing.
Provide adequate ventilation.

Hygienic measures:

Do not eat or drink during work. Do not smoke.

7. 2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in a cool and dry place.
Protect from frost.

Requirements for storage areas and containers:

Store the product in the original container.

Information on fire and explosion protection:

No special measures necessary.

Storage class (VCI):

12; Non-combustible liquids

Further Information:

Storage temperature: 5 - 35°C

7. 3. Specific End Use(s)

Further information:

The technical guidelines for the application of this product/mixture should be followed.

8. Exposure Controls/Personal Protection

8. 1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900
Ammonia, anhydrous (CAS 7664-41-7): TWA: 14 mg/m3, 20 ppm; STEL: 28 mg/m3, 40 ppm

Parameters to be controlled:

Ammonia, anhydrous (CAS 7664-41-7): TWA: 14 mg/m3, 20 ppm; STEL: 50 ppm, 36 mg/m3 (GKV (AUS); VLEP/GWBB (BE); TLV-TWA (USA, IT, GR); VLA (ES); TWA: 10 ppm, 7 mg/m3; STEL: 14 mg/m3, 20 ppm (VLEP (FR)); TWA: 17 mg/m3, 25 ppm; STEL: 24 mg/m3, 35 ppm (OEL (ZA), EH40 (UK); STEL: 28 mg/m3 (NDS (PL)); STEL: 36 mg/m3 (MAC (NL)); TWA: 17 mg/m3, 25 ppm (PEL (MY); TWA: 14 mg/m3; STEL: 36 mg/m3 (AK (HU))

Derived No-Effect Level (DNEL):

Ammonia, anhydrous (7664-41-7)
68 mg/kg (worker, skin contact, short/long-term exposition, systemic effects)
47.6 mg/m3 (worker, inhalation, long/short-term exposition - systemic effects)
36 mg/m3 (worker, inhalation, short-term exposition - local effect)
14 mg/kg (consumer, inhalation, long-term exposition - local effects)
68 mg/kg (consumer, skin contact, short and long-term exposition, systemic)
23.8 mg/m3 (consumer, inhalation, short and long-term exposition - systemic)
6.8 mg/m3 (consumer, swallowing, short and long-term exposition

- systemic)

7.2 mg/m3 (consumer, inhalation, short-term exposition - local effect)

2.8 mg/kg (consumer, inhalation, long-term exposition - local effects)

Predicted No-Effect Concentration (PNEC):

Ammonia, anhydrous (7664-41-7):

Fresh water / Seawater: 0.0011 mg/l

Sporadic release: 0.0068 mg/l

Additional Information:

8. 2. Exposure Controls

Technical protective measures:

Ensure adequate ventilation, especially in confined areas.

Facilities storing or utilizing this material should be equipped with an eyewash facility or eyewash bottle.

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Avoid contact with eyes and skin.

Remove contaminated clothing immediately.

Respiratory protection:

In case of formation of dust/vapor.

Respiratory equipment required in case of insufficient ventilation, filter type A.

Hand protection:

Protective gloves should be changed regularly, especially after intensive contact with the product.

Protective glove material:

Nitrile rubber (480 min, 0.4 mm)

Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing.

Environmental precautions:

Avoid contamination of sewage system, open water ways and ground water.

9. Physical and Chemical Properties

9. 1. Information on Basic Physical and Chemical Properties

Form:	*liquid*
Color:	*whitish*

Odor:	*ester-like*
Odor threshold:	*No information available.*
pH-Value:	*2 - 2.5 (20°C)*
Melting temperature:	*not determined*
Boiling temperature:	*not determined*
Flash point:	*not applicable*
Evaporation rate:	*No information available.*
Flammability (solid, gas):	*non-combustible*
Upper explosion limit:	*no information available*
Lower explosion limit:	*no information available*
Vapor pressure:	*23 hPa (20°C)*
Vapor density:	*No information available.*
Density:	*0.9 - 1.1 g/cm3 (20°C)*
Solubility in water:	*completely miscible*
Coefficient of variation (n-Octanol/Water):	*no information available*
Auto-ignition temperature:	*No information available.*
Decomposition temperature:	*not applicable*
Viscosity, dynamic:	*< 3000 mPa.s (20°C)*
Explosive properties:	*not applicable*
Oxidizing properties:	*none*
Bulk density:	*not applicable*

9. 2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

No further information.

10. Stability and Reactivity

10.1. Reactivity

No decomposition if used according to specifications.

10.2. Chemical Stability

The product is stable.

10.3. Possibility of Hazardous Reactions

None if handled and stored according to specifications.

10.4. Conditions to Avoid

Conditions to avoid:

Protect from frost, heat and direct sunlight.

Thermal decomposition:

Avoid heat.

10.5. Imcompatible Materials

No information available.

10.6. Hazardous Decomposition Products

None if handled according to specifications.

10.7. Further Information

11. Toxicological Information

11. 1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

Fatty Alcohol Ether Sulphate: LD50: > 2000 mg/kg (OECD 401)
Ammonia, anhydrous (7664-41-7): 350 mg/kg (rat)

LD50, dermal:

not determined

LC50, inhalation:

not determined

Primary effects

Irritant effect on skin:

Fatty Alcohol Ether Sulphate: not irritating (rabbit; OECD 404)
Ammonia, anhydrous (7664-41-7):
Causes severe burns (OECD 404)

Irritant effect on eyes:

Fatty acohol ether sulphate: irritating (OECD 405)
Ammonia, anhydrous (7664-41-7):

Causes serious eye irritation.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No sensitizing effects known.

Mutagenicity:

Fatty Alcohol Ether Sulphate: In vitro genetic-toxicity: Ames-Test negative
Ammonia, anhydrous (7664-41-7):
In vitro Bacterial Reverse Mutation Test (OECD 471): negative

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Ammonia, anhydrous (7664-41-7):
Single exposure: may cause respiratory irritation.
Repeated exposure: no information available.

Additional toxicological information:

12. Ecological Information

12. 1. Aquatic Toxicity

Fish toxicity:

Fatty Alcohol Ether Sulphate: LC50: 227 mg/kg (96h, Danio rerio; OECD 203)
Ammonia, anhydrous (7664-41-7): LC50: 0.8 mg/l (96h)
LOEC: 0.05 mg/l (96h, Onchorhynchus mykiss)

Daphnia toxicity:

Fatty Alkohol Ether Sulphate: EC50: > 100 mg/kg (Daphnia magna; OECD 202)
Ammonia, anhydrous (7664-41-7): EC50: 24.4 mg/l (48h, Daphnia magna)
NOEC: 0,79 mg/l (96h, Daphnia magna); LOEC: 1,3 mg/l (96h, Daphnia magna); LC50: 4,07 mg/l (96h, Daphnia magna)

Bacteria toxicity:

Algae toxicity:

12. 2. Persistency and Degradability

98 % (OECD 302B)
Can be eliminated from water by chemical adsorption.

12. 3. Bioaccumulation

Bioaccumulation is not to be expected.

12. 4. Mobility

No information available.

12. 5. Results of PBT- und vPvP Assessment

This mixture does not comply with the criteria for the classification as PBT or vPvB, according to Annex VIII of Regulation (EC) No. 1907/2006 (REACH).

12. 6. Other Adverse Effects

Water hazard class:

Behaviour in sewage systems:

Further ecological effects:

No ecological data available.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

In accordance with current regulations, product may be taken to an incineration plant.

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

Waste Code No.:

14. Transport Information

14. 1. UN Number

ADR, IMDG, IATA

14. 2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14. 3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14. 4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14. 5. Environmental Hazards

None

14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14. 8. Further Information

15. Regulatory Information

15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (German Regulation, Assessment by list)

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product.

15. 3. Further Information

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.