

Material Safety Data Sheet (MSDS)

Date: 02/OCT/2017
Version 1.0

1. Product and Company Information

Product Name: MABREGATION® READY-TO-USE STAINING SOLUTION
Product Number: 102274
Company: SYNENTEC GmbH
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Germany
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2. Hazards Identification

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Regulation (EC) No 1272/2008

Acute toxicity - Oral	Category 4 - H302
Acute toxicity - Dermal	Category 4 - H312
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - H332
Skin corrosion/irritation	Category 2 - H315
Serious eye damage/eye irritation	Category 2 - H319
Specific target organ toxicity (single exposure)	Category 3 - H335

LABEL ELEMENTS

Signal word: Warning

Symbols/Pictograms



Hazard statements	H302	Harmful if swallowed
	H312	Harmful in contact with skin
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H332	Harmful if inhaled
	H335	May cause respiratory irritation

Precautionary Statements 1272/2008)	P270	Do not eat, drink or smoke when using this EU (§28, product
	P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
	P330	Rinse mouth
	P363	Wash contaminated clothing before reuse
	P302 + P350	IF ON SKIN: Gently wash with plenty of soap and water
	P322	Specific measures (see Emergency Phone Number on this label)
	P302 + P352	IF ON SKIN: Wash with plenty of soap and water
	P321	Specific treatment (see Emergency Phone Number on this label)
	P332 + P313	If skin irritation occurs: Get medical advice/attention
	P362	Take off contaminated clothing and wash before reuse
P264	Wash face, hands and any exposed skin thoroughly after handling	
P280	Wear protective gloves/protective clothing/eye protection/face protection	

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 + P313	If eye irritation persists: Get medical advice/attention
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P271	Use only outdoors or in a well-ventilated area
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P312	Call a POISON CENTER or doctor if you feel unwell
P403 + P233	Store in a well-ventilated place. Keep container tightly closed
P405	Store locked up
P501	Dispose of contents/ container to an approved waste disposal plant

OTHER HAZARD none

3. Composition/Information on Ingredients

SUBSTANCES

Classification according to Regulation (EC) No 1272/2008	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)
Weight %	7.4

4. First Aid Measures

DESCRIPTION OF FIRST AID MEASURES

General Advice

Consult a physician if necessary.

After Inhalation

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

After Skin Contact

Wash skin with soap and water.

After Eye Contact

Wash with plenty of water.

After Ingestion

Never give anything by mouth to an unconscious person. Clean mouth with water.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most important known symptoms and effects are described in the labelling (section 2) and/or in section 11.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No data available

5. Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Specific hazards arising from the chemical	No information available
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Hazardous combustion products

Hydrogen sulfide. Carbon oxides. Nitrogen oxides (NO_x).

ADVICE FOR FIREFIGHTERS

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

ENVIRONMENTAL PRECAUTIONS

Do not let product enter drains.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

REFERENCE TO OTHER SECTIONS

For disposal see section 13.

7. Handling and Storage

HANDLING

Directions for safe handling: Avoid contact with eyes, skin, and clothing. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Avoid inhalation of vapors and mist. Avoid prolonged or repeated exposure.

STORAGE

Conditions of safe storage: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure Controls / Personal Protection

EXPOSURE LIMITS

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. Physical and Chemical Properties

Appearance Physical State: Liquid at room temperature

<i>Property</i>	<i>Value</i>
pH	N/A
Melting point/freezing point	N/A
Initial boiling point and boiling range	N/A
Flash point	N/A
Evaporation rate	N/A
Density	N/A
Upper flammability	N/A
Lower flammability	N/A
Vapour pressure	N/A
Vapour density	N/A
Specific gravity	N/A
Water solubility	N/A
Solubility in other solvents	N/A
Partition coefficient	N/A
Auto-ignition temperature	N/A
Decomposition temperature	N/A
Kinematic Viscosity	N/A
Explosive properties	N/A
Oxidizing properties	N/A

10. Stability and Reactivity

REACTIVITY

Reactivity N/A

CHEMICAL STABILITY

Stability Stable under recommended storage conditions
Sensitivity to Mechanical Impact N/A
Sensitivity to Static Discharge N/A

POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous polymerization N/A
Possibility of Hazardous Reactions None under normal processing

CONDITIONS TO AVOID

Conditions to avoid Extremes of temperature and direct sunlight

INCOMPATIBLE MATERIALS

Incompatible materials Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products Hydrogen sulfide, carbon oxides, nitrogen oxides (NOx).

11. Toxicological Information

Acute toxicity	N/A
Skin corrosion/irritation	N/A
Serious eye damage/eye irritation	N/A
Respiratory or skin sensitization	N/A
Germ cell mutagenicity	N/A
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	N/A
Specific target organ toxicity	
- single exposure	Inhalation - May cause respiratory irritation.
- repeated exposure	N/A
Aspiration hazard	N/A
Signs and Symptoms of Exposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Additional Information	RTECS: N/A

12. Ecological Information

Toxicity	N/A
Persistence and degradability	N/A
Bioaccumulative potential	N/A
Mobility in soil	N/A
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	N/A

13. Disposal Considerations

SUBSTANCE DISPOSAL

Contact a licensed professional waste disposal service to dispose of this material. Disposal should be made in accordance with existing disposal practices employed for infectious waste at your institution. Observe all federal, state, and local environmental regulations.

CONTAMINATED PACKAGING

Do not reuse container. Dispose of as unused product.

14. Transport Information

	ADR/RID	IMDG	IATA
	Not regulated	Not regulated	Not regulated
UN number	-	-	-
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packaging group	-	-	-
Environmental hazards	-	-	-
Special provisions	-	-	-

15. Regulatory Information

This safety datasheet complies with the requirements of regulation (EC) No. 1907/2006.

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

N/A

CHEMICAL SAFETY ASSESSMENT

For this product a chemical safety assessment was not carried out

16. Other Information

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. SYNENTEC GmbH, shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

17. Disclaimer

For R&D use only. Not for drug, household or other uses.