



SAFETY DATA SHEET MIX3 N0217

in accordance with Commission Regulation (EU) No. 1907/2006

Page: 1/8

Compilation date: 24/02/17

Revision date: 24/02/17

Revision No: 1

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

1.1. Product identifier

Product name: MIX3 N0217

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

"Use descriptor system" guidance (REACH):

Use of substance / mixture: Cleaning of pcbs in special cleaning systems

1.3. Details of the supplier of the safety data sheet

Company name: IMO GmbH
Gaesslesweg 6
D 75334 Straubenhardt Germany
Tel. +49 (0)7082 49180 Fax +49 (0)7082 60436
Email: info@imo-ag.com

1.4. Emergency telephone number

Emergency tel: Vergiftungs-Informations-Zentrale Freiburg +49 761 19240

Section 2: Hazards identification

*2.1. Classification of the substance or mixture

in accordance with Commission Regulation (EC) No. 1272/2008 and its adaption

Eye irritation, class 2 (Eye irrit. 2, H319)

May cause allergic reaction (EUH 208)

This mixture has no physical risk.

This mixture has no environmental risk. Refer to the recommendations regarding the other products present on the site.

Under normal usage there is no polluting effect known or predictable.

2.2. Label elements

The mixture is a detergent See chapter 15

in accordance with Commission Regulation (EC) No. 1272/2008 and its adaption

Hazard pictograms:



GHS07

Signal words: WARNING

additional labelling: EUH208 Contains SUBTILISIN. May cause allergic reactions.

Hazard statements: H319 Causes serious eye irritation

Precautionary statements: P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children.

P103: Always read the label before use

Preventive statements:

P264: Wash hands thoroughly after handling.

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, consult a specialist.

(Use of substance / mixture: Cleaning of pcbs in special cleaning systems)



SAFETY DATA SHEET

MIX3 N0217

Page: 2/8

2.3. Other hazards

When using, a flammable/explosive dust-air-mixture can be formed.

The mixture does not contain "very alarming substances" (SVHC) $\geq 0,1\%$, published by European Chemical Agency (ECHA) according to article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

PBT: This substance is not identified as a PBT substance according to appendix XIII of REACH-guideline (EC) Nr. 1907/2006.

Section 3: Composition/information on ingredients

3.2. Mixtures

Ingredients:

Identification	(EC) 1272/2008	Hinweis	%
INDEX: 011-005-00-2 CAS: 497-19-8 EC: 207-838-8 REACH 01-2119485498-19- SODIUM CARBONATE	GHS07 Wng Eye Irrit. 2, H319		50 \leq x % < 100
INDEX: 1001124 CAS: 15630-89-4 EC: 239-707-6 REACH 01-2119457268-30 DISODIUM CARBONATE, COMPOUND WITH HYDROGEN PEROXIDE (2:3) SODIUM CARBONATE PEROXIDE)	GHS07, GHS05, GHS03 Dgr Acute Tox. 4, H302 Eye Dam. 1, H318		2,5 \leq x % < 10
INDEX: 1001672 CAS: 68154-97-2 ALCOHOLS, C11 ETHOXYLATED AND PROPOXYLATED	GHS07 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319		0 \leq x % < 2,5
INDEX: 647-012-00-8 CAS: 9014-01-1 EC: 232-752-2 REACH 01-2119480434-38- SUBTILISIN	GHS08, GHS05, GHS07 Dgr STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp.Sens. 1, H334		0 \leq x % < 2,5

Section 4: First aid measures

In case of doubt or if symptoms persist please take medical advice.

Do not introduce anything into the mouth of an unconscious person.

4.1. Description of first aid measures

- After Inhalation:** If there are signs of allergy, consult a physician.
- After eye contact:** Rinse the eye with eyelids open at least 15 minutes thoroughly with soft, clean water. In case of complaints, redness, or visual handicap consult a doctor.
- After skin contact:** Look out for product residues between skin and clothes, watch, shoes etc. If there are signs of allergy, consult a physician.
- After ingestion:** Consult a physician and show the label.

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

No information available.

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

No information available.

For specific and immediate treatment available funds at work:

Information for the doctor:



SAFETY DATA SHEET

MIX3 N0217

Page: 3/8

Section 5: Fire-fighting measures

Non flammable

5.1. Extinguishing media

Suitable extinguishing media must be used in case of fire:

Unsuitable extinguishing media must NOT be used in case of fire:

5.2. Special hazards arising from the substance or mixture

Dense black smoke often occurs during fire. The exposition to decomposition products can be harmful to health.

Do not inhale smoke.

In case of fire the following can develop:

Carbon monoxide (CO)

Carbondioxide (CO₂)

5.3. Advice for fire-fighters

Advice for fire-fighters: not necessary.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Follow protection in the sections 7 and 8.

For NOT rescue staff

Avoid contact with skin and eyes.

For rescue staff

Rescue staff has to be equipped with appropriate and personal protective equipment. (See section 8).

6.2. Environmental precautions

Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Take up mechanically with broom/vacuum cleaner.

6.4. Reference to other sections

No information available.

Section 7: Handling and storage

For the premises in which it is worked with the mixture, the provisions for storage sites are valid.

7.1. Precautions for safe handling

Wash hands after each use.

Remove contaminated clothes and wash before re-use.

Fire and explosion protection:

Prevent access by unauthorised persons.

Handling precautions:

For personal protection, see section 8.

Respect information on the label and provisions of occupational safety

Avoid contact with the eyes.

Unauthorised equipment and operation:

Smoking, eating and drinking are prohibited in the rooms where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No information available.

Storage

Store out of reach of children.

Package

Store the product always in a package which complies with the original package.

Advised types of package:

Suitable packing material:

Unsuitable packing material:



SAFETY DATA SHEET

MIX3 N0217

Page: 4/8

7.3. Specific end use(s)

No information available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

Organic limits:

Derived no effect level (DNEL) or derived minimal effect level (DMEL):

Predicted concentration without effect (PNEC):

8.2. Exposure limit and controls

Appropriate technical controls:

Personal protective measures as personal protective equipment

Pictograms for an obligatory wearing of personal protective equipment (PSA):

Use clean and correctly maintained personal protective equipment.

Store the protective equipment in a clean placement, outside the working range.

During the use do not eat, drink or smoke. Wash contaminated clothing before using again.

Ensure adequate ventilation. Especially in closed rooms.

Protection for eyes/face

Avoid contact with eyes.

For each work with powder or dustformation it is to wear a protective mask as per norm EN166.

The wearing of corrective glasses does not present any protection.

Provide systems for eye shower in the rooms where the product is used.

Hand protection:

At long or repeated skin contact wear suitable protective gloves.

Use protection gloves suitable and resistant to chemicals according to norm EN 374.

Choose the gloves according to usage and period of use at work.

Protection gloves have to be chosen according to work: other chemicals could be changed, required physical protections (cutting, stitching, thermal insulation), needed dexterity.

Recommended Type gloves:

Recommended characteristics:

Impermeable to water according to norm EN 374

Body protection:

Protective clothing according to type.

Protective boots according to type.

The staff has to wear constantly washed protective clothing.

After the contact with the product, all dirty body parts have to be washed.

Respiratory protection:

Do not breathe any dust.

Type of FFP mask:

Wear a one-way half mask with dust filtering function according to norm EN 149.

Class:

Type of combi filters mask:

Type of powerassisted filtering device:

Gas and steam filter (combination filter) according to norm EN 14387:

Particle filter according to norm EN 14387:

Respirators:

Thermal risks:

8.2.3 Exposure Assessment with regard to environment



SAFETY DATA SHEET

MIX3 N0217

Page: 5/8

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General statement:

Form: granulated powder
Look/Colour: white with blue speckles
Odour: scented

Important information on health and environmental protection as well as for safety:

pH: 10,5 +/- 0,5
slightly alkaline (basic)
Boiling point/range°C: Irrelevant
Flash point°C: Irrelevant
Vapour pressure: (50°C) No data
Density: >1
Method for determining density:
Solubility in water: Soluble
Method for determining solubility in water:
Melting point / melting range: Irrelevant
Autoflammability°C: Not affected
Point/Interval of disintegration Not affected

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Stable if conditions of Handling and storage from section 7 are fulfilled.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Conditions to avoid: Dustformation
Dust can form an explosive mixture with air.

10.5. Incompatible materials

Materials to avoid:

10.6. Hazardous decomposition products

Thermal decomposition can release/form:
- Carbon monoxide (CO)
- Carbon dioxide (CO₂)



SAFETY DATA SHEET

MIX3 N0217

Page: 6/8

Section 11: Toxicological information

11.1. Information on toxicological effects

Can cause reversible effects in the eyes, as an eye irritation, which will full form back within 21 days.

11.1.1. Substances

For these substances is no toxicological information available.

Acute toxicological effect:

Caustic/irritant effect on the skin:

Serious eye damage/eye irritation:

Respiratory or skin sensitisation:

Germ cell mutagenicity:

Carcinogenicity:

Reproduction toxicity:

Specific target organ toxicity: single exposure:

Specific target organ toxicity: repeated exposure:

Danger of aspiration:

11.1.2. Mixture

Acute toxicological effect:

Caustic/irritant effect on the skin:

Serious eye damage/eye irritation:

Respiratory or skin sensitisation:

Contains at least one sensitizing substance. May cause allergic reaction.

Germ cell mutagenicity:

Carcinogenicity:

Reproduction toxicity:

Specific target organ toxicity: single exposure:

Specific target organ toxicity: repeated exposure:

Danger of aspiration:

Symptoms relating to physical, chemical and toxical characteristics

Direct effect and after-effect and chronical effect on short and on long exposition.

Interaction

No specific data available.

Information for mixtures and information for substances

Further information



SAFETY DATA SHEET

MIX3 N0217

Page: 7/8

Section 12: Ecological information

12.1. Toxicity

12.1.1 Substances

12.1.2 Mixtures

For this mixture is no information on aquatic toxicity available.

12.2. Persistence and degradability

No data available.

12.2.1 Substances

12.2.2 Mixtures

12.3. Bioaccumulation potential

No data available.

12.3.1 Substances

12.3.2 Mixtures

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

German regulation of water hazard classification (WGK):

WGK 2 (VwVwS from 27/07/2005, KBws): water polluting

Section 13: Disposal considerations

Wastes of this mixture and/or their containers have to be disposed according to the regulations of guidelines 2008/98/EG.

13.1. Waste treatment methods

Do not empty into drains or waters.

Wastes:

Waste disposal has to be done without risks for human being or environment, especially for water, air, soil, fauna and flora.

Disposal or use according to legislation in force, preferably by a registered waste collector or waste management facility.

Do not contaminate soil or groundwater, do not dispose of waste into the environment.

Contaminated packages:

Dispose container only when totally empty. Do not remove containers labels.

Return to a registered waste management facility.

Local regulation:

Waste codes (Decision 2001/573/EC, guideline 2006/12/EEC, guideline94/31/EEC about dangerous wastes):

Section 14: Transport information

No dangerous goods in terms of transport regulation.

This product has to be transported according to ADR agreement for road traffic, RID-agreement for rail,

IMDG agreement for sea, ICAO/IATA agreement for airfreight. (ADR 2015 - IMDG 2014 - ICAO/IATA 2015).

Section 15: Regulatory information

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

Informationen in respect of the classification and labelling you will find in section 2 A19:

Following guidelines are considered:

Regulation (EC) No. 1272/2008 in its amended version as regulation (EC) No. 487/2013

Regulation (EC) No. 1272/2008 in its amended version as regulation (EC) No. 758/2013

Regulation (EC) No. 1272/2008 in its amended version as regulation (EC) No. 944/2013

Regulation (EC) No. 1272/2008 in its amended version as regulation (EC) No. 605/2014

Regulation (EC) No. 1272/2008 in its amended version as regulation (EC) No. 1297/2014

Informationen in respect of the package:

No data available.



SAFETY DATA SHEET

MIX3 N0217

Page: 8/8

Special regulations:

No data available.

Labelling of detergent (Regulation EC no. 648/2004, 907/2006)

5-15% oxygen based bleaching agent

Less than 5% nonionic surfactants, phosphonates, polycarboxylate.

Contains enzymes (amylase, protease), perfumes

On Substances that deplete the ozone layer (Regulation (EC) no. 1005/2009, Montreal protocol):

CAS substances group formula categorie ODP

German regulation of water hazard classification (WGK)

Water hazard class: water-polluting WGK 2 (VwVwS vom 27/07/2005, KBws)

Ordinance of Switzerland on incentive taxes on volatile organic compounds.

15.2. Chemical Safety Assessment

No data available.

Section 16: Other information

As we have no information about working conditions of the user, the information of this data sheet bases on our current state of knowledge and on the national and EC policy.

Without written instruction regarding to operation in the run-up, this mixture has to be used as it is mentioned in section 1.

The user is responsible, that all necessary arrangements are taken for to keep statutory requirements and local provisions.

The information of the present safety data sheet is to be considered as a description of safety requirements for this mixture and not as a warranty for its characteristics.

Phrases used in section 3: H272: May intensify fire; oxidiser.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

Short cuts:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

OACI: International civil aviation organization

RID: Regulations concerning the international carriage of dangerous goods by Rail.

WGK: German regulation of water hazard classification

GHS07: Exclamation mark

PBT: Persistent, bioaccumulative and toxic

vPvB: Very persistent and very bioaccumulative

SVHC: Substance of very high concern