

edisonite® super **No Change Service!**

Version 03.00 Revision Date 31.03.2015

Date of last issue 26.02.2014

Date of first issue 27.01.2014

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name : edisonite® super

1.2 Relevant identified uses of the substance or mixture and uses advised againstUse of the Sub- : Cleaning agent
stance/MixtureRecommended restrictions : Restricted to professional users.
on use**1.3 Details of the supplier of the safety data sheet**Producer/Supplier : Schülke & Mayr GmbH
Robert-Koch-Str. 2
22851 Norderstedt
Germany
Telephone: +4940521000
Telefax: +494052100318
mail@schuelke.com
www.schuelke.comContact person : Application Department HI
+49 (0)40/ 521 00 544
ADHI@schuelke.com
(Schülke & Mayr UK Ltd.: +44-1142543500)**1.4 Emergency telephone number**Emergency telephone num- : UK Poisons Emergency number: 0870 600 6266
ber
Emergency telephone num- : +49 (0)40 / 52 100 -0
ber**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.

Classification (67/548/EEC, 1999/45/EC)

Irritant R41: Risk of serious damage to eyes.

2.2 Label elements**|| Labelling (REGULATION (EC) No 1272/2008)**

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke -t

edisonite® super **No Change Service!**

Version 03.00 Revision Date 31.03.2015

Date of last issue 26.02.2014

Date of first issue 27.01.2014

Hazard pictograms

:



Signal word

: Danger

Hazard statements

: H315
H318

Causes skin irritation.
Causes serious eye damage.

Precautionary statements

: P280

Wear protective gloves/ protective clothing/
eye protection/ face protection.

P302+P352

IF ON SKIN: Wash with plenty of soap and
water.

P305+P351+P338+P310

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.

Hazardous components which must be listed on the label:

Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.
and Benenesulfonic acid, 4-methyl- and sodium hydroxid

Special labelling of certain
mixtures

: Labelling according to Regulation (EC) No. 648/2004: (>30%
Phosphates, 5 - 15% anionic surfactants)

2.3 Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
Avoid dust formation.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Mixture with the following substances and non dangerous
additives.

Hazardous components

Chemical Name	Index-Number CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Sodium carbonate	011-005-00-2 497-19-8 207-838-8 01- 2119485498- 19-XXXX	Xi; R36	Eye Irrit. 2; H319	< 24 %
Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl	Not Assigned 932-051-8 01-	Xi; R38 Xi; R41	Skin Irrit. 2; H315 Eye Dam. 1; H318	5 - 15 %

edisonite® super No Change Service!

Version 03.00 Revision Date 31.03.2015

Date of last issue 26.02.2014

Date of first issue 27.01.2014

derivs. and Benenesul- fonic acid, 4-methyl- and sodium hydroxid	2119565112- 48-XXXX			
Fumaric acid	607-146-00-X 110-17-8 203-743-0	Xi; R36	Eye Irrit. 2; H319	< 5 %

For explanation of abbreviations see section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**

- If inhaled : Move to fresh air. If symptoms persist, call a physician.
- In case of skin contact : Wash with water and soap as a precaution. If symptoms persist, call a physician.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
- If swallowed : Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Suitable extinguishing media : Dry powder, Foam, Water spray jet, Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : Dust can form an explosive mixture in air.
- Specific risk from the substance or the product itself, its combustion products or evolved gases : Fire may cause evolution of:., Oxides of phosphorus, Sulphur oxides, Carbon oxides

5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

edisonite® super **No Change Service!**

Version 03.00 Revision Date 31.03.2015

Date of last issue 26.02.2014

Date of first issue 27.01.2014

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment. Do not breathe dust.

6.2 Environmental precautionsEnvironmental precautions : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.**6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal.

6.4 Reference to other sections

see Section 8 + 13

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling : Prepare the working solution as given on the label(s) and/or the user instructions.

Advice on protection against fire and explosion : No special protective measures against fire required.

Hygiene measures : Avoid contact with the skin and the eyes. Do not breathe dust.


7.2 Conditions for safe storage, including any incompatibilitiesRequirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
Unsuitable materials for containers
Aluminium

Further information on storage conditions : Keep away from direct sunlight. Keep away from heat.

Advice on common storage : Keep away from food and drink.

7.3 Specific end use(s)

Specific use(s) : none

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**Sodium carbonate : End Use: Workers, Exposure routes: Inhalation, Potential health effects: Long-term exposure, Value: 10 mg/m³ Reaction product of Benzene-sulfonic acid, 4-C10-13-sec- : End Use: Workers, Exposure routes: Skin contact, Potential health effects: Long-term systemic effects, Value: 170 mg/kg

edisonite® super No Change Service!

Version 03.00 Revision Date 31.03.2015

Date of last issue 26.02.2014

Date of first issue 27.01.2014

alkyl derivs. and Benenesul-
fonic acid, 4-methyl- and sodi-
um hydroxid

End Use: Workers, Exposure routes: Inhalation, Potential health
effects: Long-term systemic effects, Value: 12 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Reaction product of Benzene-
sulfonic acid, 4-C10-13-sec-
alkyl derivs. and Benenesul-
fonic acid, 4-methyl- and sodi-
um hydroxid

Fresh water, Value: 0,268 mg/l
Marine water, Value: 0,0268 mg/l
Fresh water sediment, Value: 8,1 mg/kg
Marine sediment, Value: 8,1 mg/kg
Soil, Value: 35 mg/kg
Effects on waste water treatment plants, Value: 5,6 mg/l
Intermittent use/release, Value: 0,055 mg/l

8.2 Exposure controls**Personal protective equipment**

- Eye protection : Safety glasses with side-shields conforming to EN166
- Hand protection : Splash protection: disposable nitrile rubber gloves e.g. Dermatril (layer thickness: 0,11 mm) made by KCL or gloves from other manufacturers offering the same protection. Prolonged contact: Nitrile rubber gloves e.g. Camatril (>480 Min., layer thickness: 0,40 mm) or butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protection.
- Respiratory protection : Breathing apparatus only if aerosol or dust is formed. ABEK-filter
- Protective measures : Avoid contact with skin and eyes.

Environmental exposure controls

- General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Appearance : powder
- Colour : light green
- Odour : odourless
- Odour Threshold : not determined
- Auto-ignition temperature : Not applicable
- Lower explosion limit : Not applicable
- Upper explosion limit : Not applicable
- Flammability : No data available
- Explosive properties : Not explosive
- Oxidizing properties : Not applicable

edisonite® super No Change Service!

Version 03.00

Revision Date 31.03.2015

Date of last issue 26.02.2014

Date of first issue 27.01.2014

pH	: 7,5, Concentration: 10,00 g/l, 20 °C
Decomposition temperature	: No data available
Melting point/freezing point	: > 250 °C
Boiling point/boiling range	: Not applicable
Vapour pressure	: Not applicable,
Relative vapour density	: Not applicable
Bulk density	: 800 kg/m ³
Water solubility	: > 100 g/l , 20 °C
Viscosity, dynamic	: Not applicable
Evaporation rate	: No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

None reasonably foreseeable.

10.4 Conditions to avoid

Avoid dust formation. Heat

10.5 Incompatible materials

Aluminium, Strong acids

10.6 Hazardous decomposition products

Oxides of phosphorus
Carbon oxides
Sulphur oxides

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity****Product**

Acute oral toxicity	: Acute toxicity estimate: 2798 mg/kg, Estimation of acute oral toxicity, in accordance with the calculation methode presented in the GHS (Globally Harmonized System), Part 3, Chapter 3.1)
Acute inhalation toxicity	: Acute toxicity estimate: > 50 mg/l, in accordance with the calculation methode presented in the GHS (Globally Harmonized System), Part 3, Chapter 3.1)
Acute dermal toxicity	: Acute toxicity estimate: 4024 mg/kg, in accordance with the calculation methode presented in the GHS (Globally Harmonized System), Part 3, Chapter 3.1)

Skin corrosion/irritation

edisonite® super **No Change Service!**

Version 03.00 Revision Date 31.03.2015

Date of last issue 26.02.2014

Date of first issue 27.01.2014

Product**||** Causes skin irritation., Calculation method**Serious eye damage/eye irritation****Product****||** Causes serious eye damage., Calculation method**Respiratory or skin sensitisation****Components:****Sodium carbonate:**

No data available

|| **Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benenesulfonic acid, 4-methyl- and sodium hydroxid:****||** Did not cause sensitisation on laboratory animals. Maximisation Test (GPMT), Guinea pig, OECD Test Guideline 406**Fumaric acid:**

No data available

Germ cell mutagenicity**Components:****Sodium carbonate:**

Germ cell mutagenicity- Assessment : Contains no ingredient listed as a mutagen

|| **Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benenesulfonic acid, 4-methyl- and sodium hydroxid:****||** Genotoxicity in vitro : not mutagenic Ames test, Salmonella typhimurium, with and without metabolic activation, OECD 471**||** Germ cell mutagenicity- Assessment : Based on available data, the classification criteria are not met.**Fumaric acid:**

Germ cell mutagenicity- Assessment : No data available

Carcinogenicity**Components:****Sodium carbonate:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

|| **Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benenesulfonic acid, 4-methyl- and sodium hydroxid:****||** Carcinogenicity - Assessment : No data available**Fumaric acid:**

Carcinogenicity - Assessment : No data available

Reproductive toxicity**Components:****Sodium carbonate:**

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

Teratogenicity - Assessment : Did not show carcinogenic or teratogenic effects in animal experiments.

edisonite® super No Change Service!

Version 03.00 Revision Date 31.03.2015

Date of last issue 26.02.2014

Date of first issue 27.01.2014

Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benenesulfonic acid, 4-methyl- and sodium hydroxid:

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.

Teratogenicity - Assessment : Based on available data, the classification criteria are not met.

Fumaric acid:

Reproductive toxicity - Assessment : No data available

Teratogenicity - Assessment : No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information**Product**

The product has not been tested.

SECTION 12: Ecological information**12.1 Toxicity****Components:****Sodium carbonate:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 300 mg/l, 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): 200 - 227 mg/l, 48 h

Toxicity to algae : No data available

Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benenesulfonic acid, 4-methyl- and sodium hydroxid:

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): > 1 - 10 mg/l, 96 h, semi-static test, OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : > 1 - 10 mg/l, 48 h, static test, OECD Test Guideline 202

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): >10 - 100 mg/l, 72 h, static test, OECD Test Guideline 201

Fumaric acid:

Toxicity to fish : LC50 (Carassius auratus (goldfish)): 295 mg/l, 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): 212 mg/l

12.2 Persistence and degradability**Components:****Sodium carbonate:**

Biodegradability : The methods for determining the biological degradability are not applicable to inorganic substances.

Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benenesulfonic acid, 4-methyl- and sodium hydroxid:

Biodegradability : Readily biodegradable OECD Test Guideline 301A

edisonite® super No Change Service!

Version 03.00 Revision Date 31.03.2015

Date of last issue 26.02.2014

Date of first issue 27.01.2014

Fumaric acid:

Biodegradability : Readily biodegradable

12.3 Bioaccumulative potential**Components:****Sodium carbonate:**

Bioaccumulation : Does not bioaccumulate.

Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benenesulfonic acid, 4-methyl- and sodium hydroxid:

Bioaccumulation : No data available

Fumaric acid:

Bioaccumulation : Does not bioaccumulate.

12.4 Mobility in soil**Components:****Sodium carbonate:**

Mobility : No data available

Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benenesulfonic acid, 4-methyl- and sodium hydroxid:

Mobility : No data available

Fumaric acid:

Mobility : completely soluble

12.5 Results of PBT and vPvB assessment**Product**

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

12.6 Other adverse effects**Product**

Additional ecological information : none

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Product : Dispose of the product according to the defined EWC (European Waste Code) No.

Contaminated packaging : Take empty packaging to the recycling plant.

Waste key for the unused product : European waste catalog (EWC) 070601

Waste key for the unused product(Group) : Waste material of HZVA from fats, lubricants, soaps, detergents, disinfectants and personal protection products.

SECTION 14: Transport information**14.1 UN number**

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

edisonite® super No Change Service!

Version 03.00 Revision Date 31.03.2015

Date of last issue 26.02.2014

Date of first issue 27.01.2014

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

For personal protection see section 8.

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

Not applicable for product as supplied.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Legislation on the control of
major-accident hazards in-
volving dangerous substanc-
es : Directive 96/82/EC does not apply

Volatile organic compounds : none, Directive 2010/75/EC on the limitation of emissions of
volatile organic compounds

Other regulations : The surfactant(s) contained in this mixture complies(comply)
with the biodegradability criteria as laid down in Regulation
(EC) No.648/2004 on detergents. Data to support this asser-
tion are held at 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.

15.2 Chemical Safety Assessment

Exempt

SECTION 16: Other information**Full text of R-Phrases**

R36 : Irritating to eyes.
R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.

Full text of H-Statements

H315 : Causes skin irritation.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.

Full text of other abbreviations

Eye Dam. Serious eye damage
Eye Irrit. Eye irritation
Skin Irrit. Skin irritation

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



edisonite® super **No Change Service!**

Version 03.00 Revision Date 31.03.2015

Date of last issue 26.02.2014

Date of first issue 27.01.2014

Further information

Changes compared with the previous edition!!!

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.