

edisonite® super No Change Service!

Version	Revision Date:	Date of last issue: 26.10.2016
04.00	31.01.2019	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 against

Use of the Sub-stance/Mixture : Cleaning agent

Recommended restrictions on use : Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Manufacturer/ Supplier : Schülke & Mayr GmbH
 Robert-Koch-Str. 2

 22851 Norderstedt
 Germany
 Telephone: +49 (0)40/ 52100-0
 Telefax: +49 (0)40/ 52100318
 mail@schuelke.com
 www.schuelke.com

Supplier : Schülke & Mayr UK Ltd.
 Cygnet House
 1, Jenkin Road, Meadowhall

 Sheffield S9 1AT
 United Kingdom
 Telephone: +44 114 254 35 00
 Telefax: +44 114 254 35 01
 mail.uk@schulke.com

E-mail address of person responsible for the SDS/Contact person : Application Department
 +49 (0)40/ 521 00 8800
 ApplicationDepartment.SM@schuelke.com
 (Schülke & Mayr UK Ltd.: +44-1142543500)

1.4 Emergency telephone number

Emergency telephone number : UK Poisons Emergency number: 0870 600 6266

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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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edisonite® super **No Change Service!**

Version
04.00

Revision Date:
31.01.2019

Date of last issue: 26.10.2016
Date of first issue: 27.01.2014

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.
H318 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/doctor.

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 substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Avoid dust formation.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

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

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Sodium carbonate	497-19-8 207-838-8 011-005-00-2 01-2119485498-19-	Eye Irrit. 2; H319	< 24

edisonite® super No Change Service!Version
04.00Revision Date:
31.01.2019Date of last issue: 26.10.2016
Date of first issue: 27.01.2014

	XXXX		
Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benenesulfonic acid, 4-methyl- and sodium hydroxid	--- 932-051-8 --- 01-2119565112-48-XXXX	Skin Irrit. 2; H315 Eye Dam. 1; H318	5 - 15
Fumaric acid	110-17-8 203-743-0 607-146-00-X ---	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 : Do not use a solid water stream as it may scatter and spread fire.

edisonite® super No Change Service!Version
04.00Revision Date:
31.01.2019Date of last issue: 26.10.2016
Date of first issue: 27.01.2014**II****5.2 Special hazards arising from the substance or mixture**

Specific hazards during fire-fighting : Dust can form an explosive mixture in air.

Hazardous combustion products : 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.

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 precautions**Environmental 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 : Keep away from food and drink.

7.2 Conditions for safe storage, including any incompatibilities

Requirements 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.

edisonite® super No Change Service!Version
04.00Revision Date:
31.01.2019Date of last issue: 26.10.2016
Date of first issue: 27.01.2014

Advice on common storage : No materials to be especially mentioned.

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:**

Substance name	End Use	Exposure routes	Potential health effects	Value
Sodium carbonate	Workers	Inhalation	Long-term exposure	10 mg/m ³
Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benenesulfonic acid, 4-methyl- and sodium hydroxid	Workers	Skin contact	Long-term systemic effects	170 mg/kg
	Workers	Inhalation	Long-term systemic effects	12 mg/kg

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

Substance name	Environmental Compartment	Value
Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benenesulfonic acid, 4-methyl- and sodium hydroxid	Fresh water	0.268 mg/l
	Marine water	0.0268 mg/l
	Fresh water sediment	8.1 mg/kg
	Marine sediment	8.1 mg/kg
	Soil	35 mg/kg
	Effects on waste water treatment plants	5.6 mg/l
	Intermittent use/release	0.055 mg/l

8.2 Exposure controls**Personal protective equipment**

Eye protection : Safety glasses with side-shields conforming to EN166

Hand protection
Directive : The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Remarks : 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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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edisonite® super **No Change Service!**

Version
04.00

Revision Date:
31.01.2019

Date of last issue: 26.10.2016
Date of first issue: 27.01.2014

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.

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
pH	: 7.5 (20 °C) Concentration: 10 g/l
Decomposition temperature	: No data available
Melting point/freezing point	: > 250 °C
Boiling point/boiling range	: Not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit / Upper flammability limit	: Not applicable
Lower explosion limit / Lower flammability limit	: Not applicable
Vapour pressure	: Not applicable
Vapour density	: Not applicable
Bulk density	: 800 kg/m ³
Solubility(ies) Water solubility	: > 100 g/l (20 °C)
Auto-ignition temperature	: No data available
Viscosity Viscosity, dynamic	: Not applicable
Explosive properties	: No data available

edisonite® super **No Change Service!**Version
04.00Revision Date:
31.01.2019

Date of last issue: 26.10.2016

Date of first issue: 27.01.2014

Oxidizing properties : No data available

9.2 Other informationNo 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

Hazardous reactions : None reasonably foreseeable.

10.4 Conditions to avoidConditions to avoid : Avoid dust formation.
Heat**10.5 Incompatible materials**Materials to avoid : 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: 2,798 mg/kg

Acute inhalation toxicity : Acute toxicity estimate: > 50 mg/l

Acute dermal toxicity : Acute toxicity estimate: 4,024 mg/kg

Components:**Sodium carbonate:**

Acute oral toxicity : LD50 (Rat): 2,800 mg/kg

Acute inhalation toxicity : LC50 (Rat): 2.3 mg/l
Exposure time: 2 h

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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edisonite® super **No Change Service!**

Version Revision Date: Date of last issue: 26.10.2016
04.00 31.01.2019 Date of first issue: 27.01.2014

Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

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

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 402

Fumaric acid:

Acute oral toxicity : LD50 (Mouse): 9,300 mg/kg

Skin corrosion/irritation

Product:

Assessment : Causes skin irritation.
Method : Calculation method

Components:

Sodium carbonate:

Remarks : May cause skin irritation in susceptible persons.

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

Species : Rabbit
Method : OECD Test Guideline 404
Result : Skin irritation

Fumaric acid:

Species : Rabbit
Result : Moderate irritant

Serious eye damage/eye irritation

Product:

Assessment : Causes serious eye damage.
Method : Calculation method

Components:

Sodium carbonate:

Assessment : Causes serious eye irritation.

edisonite® super No Change Service!Version
04.00Revision Date:
31.01.2019Date of last issue: 26.10.2016
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:**

Species : Rabbit
Method : OECD Test Guideline 405
Result : Causes serious eye damage.

Fumaric acid:

Species : Rabbit
Result : Eye irritation

Respiratory or skin sensitisation**Components:****Sodium carbonate:**

Remarks : No data available

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

Test Type : Maximisation Test
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Did not cause sensitisation on laboratory animals.

Fumaric acid:

Remarks : 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 : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: Non mutagenic

Germ cell mutagenicity- Assessment : Based on available data, the classification criteria are not met.

Fumaric acid:

Germ cell mutagenicity- Assessment : No data available

edisonite® super **No Change Service!**Version
04.00Revision Date:
31.01.2019Date of last issue: 26.10.2016
Date of first issue: 27.01.2014**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

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.

Fumaric acid:

Reproductive toxicity - Assessment : No data available

STOT - single exposure**Components:****Sodium carbonate:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure**Components:****Sodium carbonate:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

edisonite® super No Change Service!Version
04.00Revision Date:
31.01.2019Date of last issue: 26.10.2016
Date of first issue: 27.01.2014**Aspiration toxicity**

No data available

Further information**Product:**

Remarks : No data is available on the product itself.

Components:**Sodium carbonate:**

Remarks : Dust contact with the eyes can lead to mechanical irritation.

SECTION 12: Ecological information**12.1 Toxicity****Components:****Sodium carbonate:**Toxicity to fish : LC50 (*Lepomis macrochirus* (Bluegill sunfish)): 300 mg/l
Exposure time: 96 hToxicity to daphnia and other : EC50 (*Daphnia magna*): 200 - 227 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to algae : Remarks: 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
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203Toxicity to daphnia and other : (*Daphnia magna*): > 1 - 10 mg/l
aquatic invertebrates Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202Toxicity to algae : EC50 (*Desmodesmus subspicatus* (green algae)): > 10 - 100
mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201**Fumaric acid:**Toxicity to fish : LC50 (*Carassius auratus* (goldfish)): 295 mg/l
Exposure time: 96 hToxicity to daphnia and other : EC50 (*Daphnia magna*): 212 mg/l

edisonite® super **No Change Service!**Version
04.00Revision Date:
31.01.2019Date of last issue: 26.10.2016
Date of first issue: 27.01.2014

aquatic invertebrates

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

Biodegradability : Remarks: 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 : Result: Readily biodegradable.
Method: OECD Test Guideline 301A**Fumaric acid:**

Biodegradability : Result: Readily biodegradable.

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

Bioaccumulation : Remarks: Does not bioaccumulate.

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

Bioaccumulation : Remarks: No data available

Fumaric acid:

Bioaccumulation : Remarks: Does not bioaccumulate.

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

Mobility : Remarks: No data available

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

Mobility : Remarks: No data available

Fumaric acid:

Mobility : Remarks: completely soluble

edisonite® super No Change Service!Version
04.00Revision Date:
31.01.2019

Date of last issue: 26.10.2016

Date of first issue: 27.01.2014

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

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects**Product:**

Additional ecological information : No data is available on the product itself.

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

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

Not applicable

For personal protection see section 8.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

edisonite® super No Change Service!Version
04.00Revision Date:
31.01.2019Date of last issue: 26.10.2016
Date of first issue: 27.01.2014**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable

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 assertion 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.

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.
Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values.**15.2 Chemical safety assessment**

Exempt

SECTION 16: Other information**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

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx -

edisonite® super No Change Service!Version
04.00Revision Date:
31.01.2019Date of last issue: 26.10.2016
Date of first issue: 27.01.2014

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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008

Skin Irrit. 2, H315 : Calculation method
Eye Dam. 1, H318 : Calculation method

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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.