

1. Product and company identification

Product identifier

Trade name: Sogetec 068

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

General use: Textile auxiliaries
For industrial purposes only

Details of the supplier of the safety data sheet

Company name: Comp-tex GmbH

Street/POB-No.: Zur Lohe 48

Postal Code, city: DE-52353 Düren

WWW: www.comp-tex.de

E-mail: info@comp-tex.de

Telephone: 0049 (0) 2421 408204

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Department responsible for information:

Prof. Dr. Eberhard Janssen,

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Emergency phone number

GIZ-Nord, Germany, Telephone: +49 (0)551-19240

2. Hazards identification

Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: liquid

Color: light beige

Odor: characteristic

Classification: Skin Irritation - Category 2. Eye Damage - Category 1. Sensitization - skin - Category 1.

Hazard symbols:



Signal word:

Danger

Hazard statements:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

Precautionary statements:

Do not breathe fume/gas/mist/vapors/spray.

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

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.

Take off contaminated clothing and wash it before reuse.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazards not otherwise classified

In aerosol form, to be regarded as toxic by inhalation.

May be harmful if swallowed.

see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: A combination of amin modified polysiloxanes and fluorinated polyacrylates, made of siliane compounds

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 919-30-2	3-Aminopropyltriethoxysilane	< 3 %	Acute Toxicity - oral - Category 4. Skin Corrosion - Category 1B. Sensitization - skin - Category 1.
CAS 1760-24-3	N-(3-(Trimethoxysilyl)propyl)ethylenediamine	< 2 %	Skin Irritation - Category 2. Eye Damage - Category 1. Sensitization - skin - Category 1. Aquatic toxicity - chronic - Category 3.
CAS 4130-08-9	Triacetoxyvinylsilane	< 2 %	Skin Corrosion - Category 1B.
CAS 64-18-6	Formic acid	< 1 %	Flammable Liquid - Category 3. Skin Corrosion - Category 1A.

Additional information: Corrosive individual component amines and corrosive individual component formic acid: Formation of amine salt.

4. First aid measures

General information: Take off contaminated clothing and wash it before reuse.

In case of inhalation: Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Seek medical attention.

Following skin contact: Clean with plenty of water. If possible, also wash with polyethylene glycol 400. Seek medical attention.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Afterwards, consult an ophthalmologist immediately.

After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Seek medical aid in case of troubles.

Most important symptoms/effects, acute and delayed

Causes serious eye damage.
Causes skin irritation. May cause an allergic skin reaction.
In aerosol form, to be regarded as toxic by inhalation.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range: > 212 °F (DIN 51755, c.c.)

Auto-ignition temperature: not self-igniting

Suitable extinguishing media: Water spray jet, alcohol resistant foam, sand, dry chemical powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

Specific hazards arising from the chemical

In case of fire may be liberated: Fluorohydrocarbons, hydrogen fluoride, nitrogen oxides (NOx), silicon compounds, carbon monoxide and carbon dioxide.
Danger of formation of toxic pyrolysis products.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Do not allow water used to extinguish fire to enter drains, ground or waterways.

6. Accidental release measures

Personal precautions:	Avoid aerosol and mist formation. Eliminate all ignition sources if safe to do so. Provide adequate ventilation. Do not breathe vapor or spray. Avoid contact with skin and eyes. Wear appropriate protective equipment.
Environmental precautions:	Do not allow to enter into surface water or drains. If necessary notify appropriate authorities.
Methods for clean-up:	Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

7. Handling and storage

Handling

Advices on safe handling:	Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin and eyes. Wear appropriate protective equipment. Avoid aerosol and mist formation. Do not breathe vapor or spray. Take off contaminated clothing and wash it before reuse. When using do not eat, drink or smoke. Work place should be equipped with a shower and an eye rinsing apparatus.
Precautions against fire and explosion:	Keep away from sources of ignition.

Storage

Requirements for storerooms and containers:	Keep only in the original container. Keep container tightly closed. Store in a dark area at room temperature. Storage temperature: 5-40°C. Protect against heat, sun rays and frost. Shelf life: 6 months.
Hints on joint storage:	Do not store with strong oxidizing agents. Keep away from food, drink and animal feedingstuffs.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64-18-6	Formic acid	USA: ACGIH: STEL	19 mg/m ³ ; 10 ppm
		USA: ACGIH: TWA	9.4 mg/m ³ ; 5 ppm
		USA: IDLH: TWA	30 ppm
		USA: NIOSH: TWA	9 mg/m ³ ; 5 ppm
		USA: OSHA: TWA	9 mg/m ³ ; 5 ppm

Engineering controls

Provide good ventilation and/or an exhaust system in the work area.
Execute works under fume hood. (or Extract vapors by suction at point of emission.)
See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection:	Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.
Skin protection:	Wear suitable protective clothing. Protective gloves according to OSHA Standard - 29 CFR: 1910.138. Glove material: Rubber. Breakthrough time: >480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Use filter type A-P2 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

General hygiene considerations: Avoid aerosol and mist formation. Do not breathe vapor or spray.
Avoid contact with skin and eyes.
Take off contaminated clothing and wash it before reuse.
When using do not eat, drink or smoke.
Wash hands before breaks and after work.
Work place should be equipped with a shower and an eye rinsing apparatus.

Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance: Physical state at 68 °F and 101.3 kPa: liquid
Color: light beige

Odor: characteristic

Odor threshold: No data available

pH: at 68 °F: 4 - 5

Melting point/freezing point: No data available

Initial boiling point and boiling range: 212 °F (1013hPa)

Flash point/flash point range: > 212 °F (DIN 51755, c.c.)

Evaporation rate: No data available

Flammability: No data available

Explosion limits: No data available

Vapor pressure: No data available

Vapor density: No data available

Density: approx. 1 g/mL (DIN 51757)

Water solubility: at 68 °F: emulsifiable

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: not self-igniting

Thermal decomposition: No data available

Explosive properties: Product is not explosive.

10. Stability and reactivity

Reactivity: Refer to subsection "Possibility of hazardous reactions".

Chemical stability: Stable under recommended storage conditions.
Shelf life: 6 months.

Possibility of hazardous reactions: No dangerous reactions with proper and specified storage and handling

Conditions to avoid: Protect against heat, sun rays and frost.

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products: Fluorohydrocarbons, hydrogen fluoride, Nitrogen oxides (NOx), silicon compounds, carbon monoxide and carbon dioxide.

Thermal decomposition: No data available

11. Toxicological information

Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Skin Irritation - Category 2 = Causes skin irritation.

Serious eye damage/irritation: Eye Damage - Category 1 = Causes serious eye damage.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Sensitization - skin - Category 1 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

Symptoms

In case of inhalation:
In aerosol form, to be regarded as toxic by inhalation. Mucous membrane irritation, cough, shortage of breath

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

AOX reference: The product contains organically bound halogen. Thus it may add to the AOX value.

General information: Do not allow to penetrate into soil, waterbodies or drains.

13. Disposal considerations

Product

Recommendation: Special waste. Incinerate according to applicable local, state and federal regulations.

Package

Recommendation: Dispose of waste according to applicable legislation.
Contaminated packages must be completely emptied and can be re-used following proper cleaning. (Cleaning with water/cleaning agent.).

14. Transport information

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: Not restricted

Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR: not applicable

Packing group

ADR/RID, IMDG, IATA-DGR: not applicable

Environmental hazards

Marine pollutant: no

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

No data available

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - U.S. Federal Regulations

3-Aminopropyltriethoxysilane: TSCA Inventory: listed
TSCA HPVC: not listed

N-(3-(Trimethoxysilyl)propyl)ethylenediamine: TSCA Inventory: listed
TSCA HPVC: not listed

Triacetoxyvinylsilane: TSCA Inventory: listed
TSCA HPVC: not listed

Formic acid: TSCA Inventory: listed
TSCA HPVC: not listed

16. Other information

Text for labeling: Contains < 3 % 3-Aminopropyltriethoxysilane, < 2 %
N-(3-(Trimethoxysilyl)propyl)ethylenediamine, < 2 % Triacetoxyvinylsilane, < 1 % Formic acid.
Safety data sheet available on request.
Contains 3-Aminopropyltriethoxysilane, N-(3-(Trimethoxysilyl)propyl)ethylenediamine and
Triacetoxyvinylsilane.

Hazard rating systems:



NFPA Hazard Rating:

Health: 2 (Moderate)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 2 (Moderate)

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Abbreviations and acronyms:

Acute Toxicity: Acute toxicity
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
AOX: Adsorbable Organic Halogens
Aquatic toxicity - chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EN: European Standard
EQ: Excepted quantities
Eye Damage: Eye damage
Flammable Liquid: Flammable liquid
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Sensitization - skin: Skin sensitisation
Skin Corrosion: Skin corrosion
Skin Irritation: Skin irritation
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

Reason of change:

General revision

Date of first version:

1/3/2023

Department issuing data sheet

Contact person:

see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.