

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

***silco***

Product name: **5090 Cleaner – Activator**

Creation date: **18.11.2020**, Revision: **18.02.2025**, Version: **1.4**

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

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### 1.1 Product identifier

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**Product name**

5090 Cleaner – Activator



<https://my.chemius.net/p/XLxA8p/en/pd/en>

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

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**Relevant identified uses**

Activator.

**Uses advised against**

No information.

### 1.3 Details of the supplier of the safety data sheet

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**Manufacturer**

SILCO, D.O.O.  
Šentrupert 5 a  
3303 Gomilsko, Slovenia  
+386 3 703 3180  
msds@silco.si

### 1.4 Emergency Telephone Number

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**Emergency**

111

**Manufacturer**

+386 3 703 3180

## Section 2: Hazards identification

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### 2.1 Classification of the substance or mixture

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**Classification according to Regulation (EC) No 1272/2008 (CLP)**

Flam. Liq. 2; H225 Highly flammable liquid and vapour.  
Skin Sens. 1; H317 May cause an allergic skin reaction.  
Eye Irrit. 2; H319 Causes serious eye irritation.  
STOT SE 3; H336 May cause drowsiness or dizziness.

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## 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP)**



**Signal word: DANGER**

H225 Highly flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P271 Use only outdoors or in a well-ventilated area.

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.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with national regulation.

**Contains:**

isopropyl alcohol

N-(3-(trimethoxysilyl)propyl)ethylenediamine

## 2.3 Other hazards

**PBT/vPvB**

No information.

**Endocrine disrupting properties**

The product does not contain substances with the potential for endocrine disorders.

**Additional information**

No information.

## Section 3: Composition/information on ingredients

### 3.1 Substances

For mixtures see 3.2.

### 3.2 Mixtures

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Name	CAS EC Index REACH	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits
<b>isopropyl alcohol</b>	67-63-0 200-661-7 603-117-00-0	90- 99%	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	/
<b>N-(3-(trimethoxysilyl)propyl)ethylenediamine</b>	1760-24-3 217-164-6 -	1-2%	Skin Sens. 1; H317 Eye Irrit. 2; H319	/

## Section 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

No information.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. Victim should rest in a warm place. If breathing is irregular or respiratory arrest occurs provide artificial respiration. In case of unconsciousness bring patient into stable side position and seek medical attention.

#### Following skin contact

Immediately remove contaminated clothing. Areas of the body that have come into contact with the product immediately rinse with plenty of water and possibly with mild cleaner. Do not use solvents or thinners.

#### Following eye contact

Immediately flush eyes with plenty of water, keeping eyelids open ( for at least 10 minutes). Consult a physician immediately!

#### Following ingestion

Immediately consult a doctor. Keep person warm and at rest. Do not induce vomiting! Keep person warm and at rest.

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

#### Following inhalation

Causes irritation of mucous membrane. Negative effects can affect liver, kidney, and central nervous system. Coughing, sneezing, nasal discharge, labored breathing. Symptoms include: headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness. Causes irritation of mucous membrane.

#### Following skin contact

Repeated or prolonged contact with the product may lead to removal of natural fats from the skin and non-allergic contact dermatitis. Product may be absorbed through the skin.

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**Following eye contact**

Redness, tearing, pain.

**Following ingestion**

No information.

## **4.3 Indication of any immediate medical attention and special treatment needed**

No information.

## **Section 5: Firefighting measures**

### **5.1 Extinguishing media**

**Suitable extinguishing media**

Alcohol-resistant foam.

Water spray.

Fire extinguishing powder.

Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media**

Full water jet.

### **5.2 Special hazards arising from the substance or mixture**

**Hazardous combustion products**

No information.

### **5.3 Advice for firefighters**

**Protective actions**

In case of fire or heating do not breathe fumes/vapours.

**Special protective equipment for fire-fighters**

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

**Additional information**

No information.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

**Protective equipment**

Do not breathe vapours/smoke! Refer to protective measures listed in Sections 7 and 8.

**Precautionary measures**

Keep away sources of ignition. Ensure adequate ventilation.

**Emergency procedures**

Evacuate personnel and ventilate the premises.

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## **For emergency responders**

No information.

## **6.2 Environmental precautions**

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If accidental large entry into water or ground occurs, inform responsible authorities.

## **6.3 Methods and material for containment and cleaning up**

### **For containment**

No information.

### **For cleaning up**

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Clean contaminated area with plenty of water.

### **Other information**

No information.

## **6.4 Reference to other sections**

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See also sections 8 and 13.

# **Section 7: Handling and storage**

## **7.1 Precautions for safe handling**

### **Protective measures**

#### **Measures to prevent fire**

Ensure adequate ventilation. Protect from open fire and other sources of ignition or heat. Do not smoke. Vapours are heavier than air and spread along floor. Vapours and air form explosive mixtures. In order to avoid the risk of fires and explosions, never use compressed air when handling.

#### **Measures to prevent aerosol and dust generation**

No information.

#### **Measures to protect the environment**

No information.

#### **Other measures**

No information.

#### **Advice on general occupational hygiene**

Do not breathe vapours/mist. Avoid contact with skin and eyes. Wear suitable protective equipment; see Section 8.

## **7.2 Conditions for safe storage, including any incompatibilities**

### **Technical measures and storage conditions**

Keep in well closed containers. Keep unauthorized personnel away. Keep away from moisture and water. The product reacts slowly with water, producing methanol. Ground equipment electrically. Store away from strong acids. Keep away from oxidising substances. Store away from alkaline substances. Follow label instructions. Keep container in a well ventilated place. Keep in a dry place. Protect from open fire, heat and direct sunlight.

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## Packaging materials

Store only in original container.

## Requirements for storage rooms and vessels

Floors should be of the conducting type.

## Storage temperature

No information.

## Storage class

No information.

## Further information on storage conditions

No information.

## 7.3 Specific end use(s)

### Recommendations

No information.

### Industrial sector specific solutions

No information.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure limit values

Name	mg/m <sup>3</sup>	ml/m <sup>3</sup>	Short-term value mg/m <sup>3</sup>	Short-term value ml/m <sup>3</sup>	Remark	Biological Tolerance Values
<b>Propan-2-ol (67-63-0)</b>	999	400	1250	500	/	/

#### Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

#### DNEL/DMEL values

##### For product

No information.

##### For components

No information.

#### PNEC values

##### For product

No information.

##### For components

No information.

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## 8.2 Exposure controls

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### Appropriate engineering control

#### Substance/mixture related measures to prevent exposure during identified uses

No information.

#### Structural measures to prevent exposure

No information.

#### Organisational measures to prevent exposure

No information.

#### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

#### Personal protective equipment

##### Eye and face protection

Safety goggles (BS EN ISO 16321-1:2022).

##### Hand protection

Protective gloves (EN ISO 374-1:2016). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately.

##### Appropriate materials

##### Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345:2022).  
Protective shoes.

##### Respiratory protection

Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

##### Thermal hazards

No information.

#### Environmental exposure controls

#### Substance/mixture related measures to prevent exposure

No information.

#### Instruction measures to prevent exposure

No information.

#### Organisational measures to prevent exposure

No information.

#### Technical measures to prevent exposure

No information.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

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#### Important health, safety and environmental information

Physical state	liquid
Shape	No information.
Colour	colorless
Odour	alcohol

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<b>Odour threshold</b>	No information.
<b>Melting/freezing point</b>	$\leq -20\text{ °C}$
<b>Boiling point or initial boiling point and boiling range</b>	80 °C
<b>Flammability</b>	$> 320\text{ °C}$
<b>Lower and upper explosion limit</b>	2 – 12 % v/v
<b>Flash point</b>	12 °C
<b>Auto-ignition temperature</b>	No information.
<b>Decomposition temperature</b>	No information.
<b>pH</b>	No information.
<b>Viscosity</b>	No information.
<b>Solubility</b>	No information.
<b>Partition coefficient n-octanol/water (log value)</b>	No information.
<b>Vapour pressure</b>	37.6 hPa at 20 °C
<b>Density / weight</b>	No information.
<b>Relative vapour/gas density</b>	No information.
<b>Particle characteristics</b>	No information.

## 9.2 Other information

### Information with regard to physical hazard classes

No information.

### Other safety characteristics

No information.

## Section 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

The product is not reactive under normal conditions of use, storage and transport.

### 10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

### 10.3 Possibility of hazardous reactions

No dangerous reactions occur under normal conditions of storage and use.



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## 10.4 Conditions to avoid

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Avoid high temperatures. Do not expose to temperatures exceeding 35°C. Do not expose to heat and direct sunlight.

## 10.5 Incompatible materials

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Plastic. Rubber.

## 10.6 Hazardous decomposition products

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In case of fire/explosion vapours/gases that pose a health hazard are released.

## Section 11: Toxicological information

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### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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#### (a) Acute toxicity

No information.

#### (b) Skin corrosion/irritation

No information.

#### (c) Serious eye damage/irritation

No information.

#### (d) Respiratory or skin sensitisation

No information.

#### (e) (Germ cell) mutagenicity

No information.

#### (f) Carcinogenicity

No information.

#### (g) Reproductive toxicity

No information.

#### Summary of evaluation of the CMR properties

No information.

#### (h) STOT-single exposure

No information.

#### (i) STOT-repeated exposure

No information.

#### (j) Aspiration hazard

No information.

#### Symptoms related to the physical, chemical and toxicological characteristics

No information.

#### Interactive effects

No information.

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## 11.2 Information on other hazards

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### Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

### Other information

No information.

## Section 12: Ecological information

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### 12.1 Toxicity

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#### Acute (short-term) toxicity

No information.

#### Chronic (long-term) toxicity

No information.

### 12.2 Persistence and degradability

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#### Abiotic degradation, physical- and photo-chemical elimination

No information.

#### Biodegradation

No information.

### 12.3 Bioaccumulative potential

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#### Partition coefficient n-octanol/water (log value)

No information.

#### Bioconcentration factor (BCF)

No information.

### 12.4 Mobility in soil

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#### Known or predicted distribution to environmental compartments

No information.

#### Surface tension

No information.

#### Adsorption/Desorption

No information.

### 12.5 Results of PBT and vPvB assessment

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No evaluation.

### 12.6 Endocrine disrupting properties

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The product does not contain substances with the potential for endocrine disorders.

## 12.7 Other adverse effects

No information.

## 12.8 Additional information

### For product

Do not allow to reach ground water, water courses or sewage system. Water hazard class 1 (self-assessment): slightly hazardous for water.

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product / Packaging disposal

##### Waste chemical

Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

##### Waste codes / waste designations according to LoW

08 04 09\* - waste adhesives and sealants containing organic solvents or other dangerous substances

##### Packaging

Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Completely emptied and cleaned containers leave to approved waste disposal authorities in charge.

##### Waste codes / waste designations according to LoW

No information.

##### Waste treatment-relevant information

No information.

##### Sewage disposal-relevant information

No information.

##### Other disposal recommendations

No information.

## Section 14: Transport information

ADR/RID	IMDG	IATA	ADN
<b>14.1 UN number or ID number</b>			
UN 1987	UN 1987	UN 1987	UN 1987
<b>14.2 UN proper shipping name</b>			
ALCOHOLS, N.O.S. (isopropyl alcohol)	ALCOHOLS, N.O.S. (isopropyl alcohol)	ALCOHOLS, N.O.S. (isopropyl alcohol)	ALCOHOLS, N.O.S. (isopropyl alcohol)





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ADR/RID	IMDG	IATA	ADN
<b>14.3 Transport hazard class(es)</b>			
3	3	3	3
			
<b>14.4 Packing group</b>			
II	II	II	II
<b>14.5 Environmental hazards</b>			
NO	NO	NO	NO
<b>14.6 Special precautions for user</b>			
Limited quantities 1 L Special provisions 274, 601, 640C Packing Instructions P001 Transport category 2 Tunnel restriction code (D/E) Classification code F1	Limited quantities 1 L EmS F-E, S-D Flash point 12 °C	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y341 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 1 L Packing Instructions (Pkg Inst) 353 Maximum Net Quantity/Package (Max Net Qty/Pkg) 5 L Special provisions A180	Limited quantities 1 L
<b>14.7 Maritime transport in bulk according to IMO instruments</b>			
	Goods may not be carried in bulk in bulk containers, containers or vehicles.		

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## Section 15: Regulatory information

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

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- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

#### Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

not applicable

#### Ingredients according to Regulation (EC) No 648/2004 on detergents

No information.

#### Special instructions

No information.

### 15.2 Chemical Safety Assessment

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No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## Section 16: Other information

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#### Indication of changes

No information.

#### Key literature references and sources for data

No information.

#### Abbreviations and acronyms

ATE - Acute Toxicity Estimate

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CEN - European Committee for Standardisation

C&L - Classification and Labelling

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CAS# - Chemical Abstracts Service number

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

CSA - Chemical Safety Assessment

CSR - Chemical Safety Report

DMEL - Derived Minimal Effect Level

DNEL - Derived No Effect Level

DPD - Dangerous Preparations Directive 1999/45/EC

DSD - Dangerous Substances Directive 67/548/EEC

DU - Downstream User

EC - European Community

ECHA - European Chemicals Agency

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EC-Number – EINECS and ELINCS Number (see also EINECS and ELINCS)  
EEA – European Economic Area (EU + Iceland, Liechtenstein and Norway)  
EEC – European Economic Community  
EINECS – European Inventory of Existing Commercial Substances  
ELINCS – European List of notified Chemical Substances  
EN – European Standard  
EQS – Environmental Quality Standard  
EU – European Union  
Euphrac – European Phrase Catalogue  
EWC – European Waste Catalogue (replaced by LoW – see below)  
GES – Generic Exposure Scenario  
GHS – Globally Harmonized System  
IATA – International Air Transport Association  
ICAO-TI – Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG – International Maritime Dangerous Goods  
IMSBC – International Maritime Solid Bulk Cargoes  
IT – Information Technology  
IUCLID – International Uniform Chemical Information Database  
IUPAC – International Union for Pure Applied Chemistry  
JRC – Joint Research Centre  
Kow – octanol-water partition coefficient  
LC50 – Lethal Concentration to 50 % of a test population  
LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE – Legal Entity  
LoW – List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR – Lead Registrant  
M/I – Manufacturer / Importer  
MS – Member States  
MSDS – Material Safety Data Sheet  
OC – Operational Conditions  
OECD – Organization for Economic Co-operation and Development  
OEL – Occupational Exposure Limit  
OJ – Official Journal  
OR – Only Representative  
OSHA – European Agency for Safety and Health at work  
PBT – Persistent, Bioaccumulative and Toxic substance  
PEC – Predicted Effect Concentration  
PNEC(s) – Predicted No Effect Concentration(s)  
PPE – Personal Protection Equipment  
(Q)SAR – Qualitative Structure Activity Relationship  
REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No 1907/2006)  
RID – Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP – REACH Implementation Project  
RMM – Risk Management Measure  
SCBA – Self-Contained Breathing Apparatus  
SDS – Safety data sheet  
SIEF – Substance Information Exchange Forum  
SME – Small and Medium sized Enterprises  
STOT – Specific Target Organ Toxicity  
(STOT) RE – Repeated Exposure  
(STOT) SE – Single Exposure  
SVHC – Substances of Very High Concern

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UN - United Nations

vPvB - Very Persistent and Very Bioaccumulative

## List of relevant H phrases

H225 Highly flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.



- ✓ Provided correct labelling of the product
- ✓ Compliance with the local legislation
- ✓ Provided correct classification of the product
- ✓ Provided adequate transport data

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*The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.*