Material Safety Data Sheet

Sweat Controls for Cystic Fibrosis Testing (Levels 1, 2, and 3)

Product code: SS-150

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

Product identifier
Sweat Controls for Cystic Fibrosis Testing (Levels 1, 2, and 3)

Further trade names
Sodium and Chloride in Simulated Human Sweat Matrix
Wescor SS-150
Wescor Sweat Controls 1, 2, and 3

Chemical characterization (Mixture)
Microcide III in aqueous solution

Details of the supplier of the safety data sheet
Company name: WESCOR, INC.
Street: 370 West 1700 South
Place: USA Logan, UT 84321
Telephone: +1 (435) 752-6011
Telefax: +1 (435) 752-4127
Responsible Department: QA/RA Department
370 West 1700 South
Logan, UT 84321 USA
e-mail: qarawescor@elitechgroup.com

Emergency telephone: Tel: +1 435 752 6011 (7:00-15:00) USA

SECTION 2: Hazards identification

Route(s) of Entry

Signs and Symptoms of Exposure

Carcinogenicity (NTP): Dangerous ingredients: none/none
Carcinogenicity (IARC): Dangerous ingredients: none/none
Carcinogenicity (OSHA): Dangerous ingredients: none/none

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Components</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9</td>
<td>mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)</td>
<td>&lt;1 %</td>
</tr>
</tbody>
</table>

Further Information
Note: This hazard characteristics refer to the properties of pure ingredients, for the identification of the preparation (product), see Section 2 and 15. Product itself does not burn.

SECTION 4: First aid measures

Description of first aid measures

General information
In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).
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according to ANSI Z400.1-2004

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After inhalation
No special measures are necessary.

After contact with skin
After contact with skin, wash immediately with: Water and soap. If symptoms persist, seek medical advice.

After contact with eyes
If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion
Make affected person vomit if conscious. Never give anything by mouth to an unconscious person or a person with cramps. Immediately get medical attention.

Indication of any immediate medical attention and special treatment needed
Give activated carbon, in order to reduce the resorption in the gastro-enteric tract. Milk or fat oils and are strongly contraindicated.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media
The product itself is not combustible.

Special hazards arising from the substance or mixture
Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2). Sulphur dioxide (SO2). Nitrogen oxides (NOx).

Advice for firefighters
Wear a self-contained breathing apparatus and chemical resistant suit.

Additional information
Extinguishing materials should be selected according to the surrounding area. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment. (Refer to chapter 8.)

Methods and material for containment and cleaning up
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Subsequently wash again with: Water and soap.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling
Wear personal protection equipment. (Refer to chapter 8.)

Advice on protection against fire and explosion
No special fire protection measures are necessary.

Further information on handling
Do not allow uncontrolled leakage of product into the environment. Avoid contact with skin, eye and clothing.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep container tightly closed in a cool, well-ventilated place. Protect against: UV-radiation/sunlight.
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Advice on storage compatibility
Do not store together with: Oxidizing solids. Oxidizing liquids. Explosives. Food and fodder

Further information on storage conditions
Maximum period of storage (time): 24M

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

Protective and hygiene measures
Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work.

Respiratory protection
No special measures are necessary.

Hand protection
Pull-over gloves of rubber. DIN EN 374
Suitable material:
(penetration time (maximum wearing period): >= 8h):
Butyl rubber.
(penetration time (maximum wearing period): >= 4h):
FKM (fluororubber).
(penetration time (maximum wearing period): >= 1h):
CR (polychloroprenes, Chloroprene rubber).
Before using check leak tightness / impermeability. In case of reutilization, clean gloves before taking off and store in well- aired place.

Eye protection
Suitable eye protection: Tightly sealed safety glasses. DIN EN 166

Skin protection
Suitable protection of the body: Lab coat.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Form: liquid
Color: yellow
Odor: odourless

Test method

Changes in the physical state
Melting point: 0 °C
Boiling point: 100 °C
Water solubility: complete miscible

SECTION 10: Stability and reactivity

Stability: Stable
Possibility of Hazardous Reactions: Will not occur

Incompatible materials
none/none

Hazardous decomposition products
Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2). Sulphur dioxide (SO2)
Nitrogen oxides (NOx).

SECTION 11: Toxicological information

Information on toxicological effects

Specific effects in experiment on an animal
No data available

Irritation and corrosivity
Irritant effect on the eye: slightly irritant but not relevant for classification.
Irritant effect on the skin: slightly irritant but not relevant for classification.

Sensitizing effects
Substance related information CIT: sensitizing.

Carcinogenic/mutagenic/toxic effects for reproduction
The statement is derived from the properties of the components.
No evidence for: Carcinogenicity
No evidence for: Developmental toxicity/teratogenicity

Substance related information CIT: In-vitro mutagenicity positive.

SECTION 12: Ecological information

Persistence and degradability
Product is biodegradable.

Bioaccumulative potential
No indication of bio-accumulation potential.

SECTION 13: Disposal considerations

Waste treatment methods
Advice on disposal
1501 Waste disposal according to official state regulations. Consult the local waste disposal expert about waste disposal. Moreover, national legislation has to be observed!

Contaminated packaging
Cleaned containers may be recycled.

SECTION 14: Transport information

US DOT 49 CFR 172.101

Proper shipping name
Not a hazardous material with respect to these transport regulations. & Not controlled under DOT.

Land transport (ADR/RID)

Other applicable information
Not restricted

SECTION 15: Regulatory information

U.S. Regulations

SECTION 16: Other information

Hazardous Materials Information Label (HMIS)
Health: 1
Flammability: 0
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according to ANSI Z400.1-2004

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Physical Hazard: 0

NFPA Hazard Ratings

Health: 1
Flammability: 0
Reactivity: 0
Unique Hazard: 0

Changes

02.07.2011 Rev. 1.00 Initial release

Other data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)