# Safety data sheet
# according to Regulation (EC) No 1907/2006, Annex II

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Identification of the substance or preparation

**Cool Gel™**

### Use of the substance/preparation
Cold Transfer Gel

### Company/undertaking identification
Spectronics Corporation, 956 Brush Hollow Road, USA-NY 11590 Westbury
Telephone USA 516-333-1254, Fax

E-mail address of the competent person: engineering@spectroline.com

### Emergency telephone
### Advisory office in case of poisoning:
Tel.:
### Telephone number of the company in case of emergencies:
Tel. USA 703 527 3887 (CHEMTREC)

## 2. HAZARDS IDENTIFICATION

Preparation is not classified as hazardous in the sense of directive 1999/45/EC.

### To people
See point 11 and 15.
The following may occur:
No effects anticipated

### To the environment
See point 12.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Water
Additives

| Chemical name | | | |
|---|---|---|---|
| content % | Symbol | R-phrases | EINECS, ELINCS |
| | Registration number (ECHA) | DNEL | PNEC |
| – | | | |
| | | | |
| | | | |

## 4. FIRST AID MEASURES

No adverse effects expected

### 4.1 Inhalation
Remove person from danger area.
Supply person with fresh air and consult doctor according to symptoms.
Respiratory arrest - Artificial respiration apparatus necessary.

### 4.2 Eye contact
Wash thoroughly for several minutes using copious water. Seek medical help if necessary. Keep Data Sheet available.

### 4.3 Skin contact
Wash thoroughly with soap and copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

### 4.4 Ingestion
Rinse the mouth thoroughly with water. Give water
to drink.
Do not induce vomiting. Consult doctor immediately.
In case of vomiting, keep head low so that the stomach content does not reach the lungs.

### 4.5 Special resources necessary for first aid
n.c.

## 5. FIRE-FIGHTING MEASURES

### 5.1 Suitable extinguishing media
n.a..

### 5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases
n.a.

### 5.4 Special protective equipment for fire-fighters
n.a.

### 5.5 Further information
Dispose of contaminated extinction water according to official regulations.

## 6. ACCIDENTAL RELEASE MEASURES

Refer to point 13. and for personal protection refer to point 8.

### 6.1 Personal precautions
.Use recommended personal protective equipment (see
Section 8)..

### 6.2 Environmental precautions
If leakage occurs, dam up.
Prevent surface and ground-water infiltration, as well as ground penetration. Prevent
from entering drainage system.
If accidental entry into drainage system occurs, inform responsible authorities.

### 6.3 Methods for cleaning up
Wipe or scoop up

## 7. HANDLING AND STORAGE

### 7.1 Handling
### Tips for safe handling:
See point 6.1
Ensure good ventilation.
Avoid long lasting or intensive contact with skin.
Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Wash
hands before breaks and at end of work.
Observe directions on label and instructions for use.

### 7.2. Storage

### Requirements for storage rooms and containers:

Store product closed and only in original packing.
Not to be stored in gangways or stair wells.

### Special storage conditions:

See point 10
Protect against moisture and store closed.
Store cool
Protect from direct sunlight and warming.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Exposure limit values

| Chemical Name | water | | Content %: |
|---|---|---|---|
| WEL-TWA: n.av. | WEL-STEL: n.av. | | >95 |
| BMGV: --- n.av. | | Other information: n.av. | |

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-terme exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

### 8.2 Exposure controls

### 8.2.1 Occupational exposure controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.

Respiratory protection:
Suitable for related activities where this product is used.

Hand protection:
Suitable for related activities where this product is used.

Eye protection:
Suitable for related activities where this product is used.

Skin protection:
Suitable for related activities where this product is used.

Additional information on hand protection - No tests have been performed.
Selection made for preparations according to the best available knowledge and information on the ingredients. Selection of materials derived from glove manufacturer's indications.
Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.2 Environmental exposure controls

n.av.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Physical state: | Gel |
| Colour: | Clear |
| Odour: | None |
| pH-value undiluted: | 7 |
| Boiling point/boiling range (°C): | 100°C |
| Melting point/melting range (°C): | 0°C |
| Flash point (°C): | n.a. |
| Minimum limit of explosion: | n.a. |
| Maximum limit of explosion: | n.a. |
| Vapour pressure: | Negligible |
| Density (g/ml): | 1 |
| Water solubility: | Soluble |
| Vapour density (air = 1): | <1 |
| Viscosity: | n.av. |

## 10. STABILITY AND REACTIVITY

### Conditions to avoid
See point 7
Stable when handled and stored correctly.
Strong heat

### Materials to avoid
Any water reactive chemicals.

### Hazardous decomposition products
See point 5.3
No decomposition when used as directed.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity and immediate effects

| | |
|---|---|
| Ingestion, LD50 rat oral (mg/kg): | n.av. |
| Inhalation, LC50 rat inhal.(mg/l/4h): | n.av. |
| Skin contact, LD50 rat dermal (mg/kg): | n.av. |
| Eye contact: | n.av. |

### Delayed and chronic effects

| | |
|---|---|
| Sensitization: | n.c. |
| Carcinogenicity: | n.c. |
| Mutagenicity: | n.c. |
| Reproductive toxicity: | n.c. |
| Narcosis: | n.c. |

### Further information
Classification according to calculation procedure.
The following may occur:
Irritation of the eyes
With long-term contact:
Irritation of the skin.
Irritation of the respiratory tract
Irritant to mucosa of the nose and throat.
Ingestion:
Gastrointestinal disturbances

## 12. ECOLOGICAL INFORMATION

| | |
|---|---|
| Water hazard class (Germany): | 1 |
| Self classification: | Yes (VwVwS) |
| Persistence and degradability: | n.av |
| Behaviour in sewage plants: | n.av. |
| Aquatic toxicity: n.av. | |
| Ecological toxicity: | n.av. |

## 13. DISPOSAL CONSIDERATIONS

### 13.1. for the material / preparation / residue

EC disposal code no.:
The waste codes are recommendations based on the scheduled use of this product.
Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EG, 2001/119/EG, 2001/573/EG)
16 10 02 aqueous liquid wastes other than those mentioned in 16 10 01
Recommendation:
Pay attention to local and national official regulations E.g.
suitable incineration plant.

### 13.2 for contaminated packing material

See point 13.1
Pay attention to local and national official regulations Empty container completely.
Uncontaminated packaging can be recycled.
Dispose of packaging that cannot be cleaned in the same manner as the substance.
15 01 01 paper and cardboard packaging
15 01 02 plastic packaging
15 01 04 metallic packaging

## 14. TRANSPORT INFORMATION

### General statements

| | | |
|---|---|---|
| UN-Number: | n.a. | |

### Road/Rail-transport (ADR/RID)

| | | |
|---|---|---|
| Class/packing group: | n.a. | |
| Classification code: | n.a. | |
| LQ: | n.a. | |

### Transport by sea

| | | |
|---|---|---|
| IMDG-code: | n.a. | (class/packing group) |
| Marine Pollutant: | n.a | |

### Transport by air

| | | |
|---|---|---|
| IATA: | n.a. | (class/secondary danger/packing group) |

### Additional information:

Non-dangerous material according to Transport Regulations.

## 15. REGULATORY INFORMATION

### Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)

| | |
|---|---|
| Symbols: | n.a. |
| Indications of danger: | – |
| R-phrases: | |
| S-phrases: | |
| Additions: n.a. | |
| Observe restrictions: | n.a. |

## 16. OTHER INFORMATION

These details refer to the product as it is delivered.

| | |
|---|---|
| Storage class VCI (Germany): | 10 - 13 |
| Revised points: | n.a. |

## Legend:

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked
WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference period), STEL = Short-terme exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40

AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany)
VbF = Regulations for flammable liquids (Austria)
WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water
VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds VwVwS =
Administrative Order relating to substances hazardous to water (Germany)
The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.