

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	Symbol	R-phrases	EINECS, ELINCS
content %	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.

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

Revision: 02.06.2010 Replaces the version of: N/A

COOL GEL™

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

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

Revision: 02.06.2010 Replaces the version of: N/A

COOL GEL™

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-term 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

4/6

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

Revision: 02.06.2010 Replaces the version of: N/A

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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.

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COOL GEL™

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-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40

COOL GEL™

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.