

# SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200); WHMIS Classification

# 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Telephone Fax

1.4

E-Mail (competent person)

Product Name CYGEL SUSTAIN

Product Code CS20500
CAS No. None assigned
EINECS No. None assigned
REACH Registration No. None assigned

1.2 Relevant identified uses of the substance or

mixture and uses advised against

Identified Use(s) Thermoreversible Gel

SU24 Scientific research and development

1.3 Details of the supplier of the safety data sheet

Company Identification BioStatus Limited

56A Charnwood Road

Shepshed
Leicestershire
LE12 9NP
United Kingdom
T: +44 1509 558 163
F: +44 1509 651 061
E: enquiry@biostatus.com

W: www.biostatus.com

Emergency telephone number

Emergency Phone No. +44 1509 558 163

(Hours of operation 09.00-18.00 GMT Mon-Fri)

## 2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Product Description Mixture

Colorless liquid. Colorless Gel. Odorless.

OSHA HCS (29 CFR 1910.1200)

WHMIS Classification

Contains no hazardous ingredients

Contains no hazardous ingredients

2.2 Label elements According to Regulation (EC) No. 1272/2008 (CLP)

Product Name CYGEL SUSTAIN

Hazard Pictogram(s)

Signal Word(s)

Hazard Statement(s)

None

Precautionary Statement(s) P280: Wear protective gloves/protective clothing/eye

protection/face protection.

P264: Wash (hands and exposed skin) thoroughly after

nandling.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing.

P308+P313: IF exposed or concerned: Get medical

advice/attention.

2.3 Other hazards Warning - this preparation contains a substance not yet

tested completely.

2.4 Additional Information None



## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.2 Mixtures

| Composition/information on ingredients             | %     | CAS No.   | OSHA HCS (29 CFR<br>1910.1200)    | WHMIS Classification              |
|--|-------|-----------|-----------------------------------|-----------------------------------|
| PROPRIETARY FORMULATION OF OXIRANE METHYL- POLYMER | 10-30 | 9003-11-6 | Contains no hazardous ingredients | Contains no hazardous ingredients |

#### 3.3 Additional Information

For full text of H/P phrases see section 16.

## 4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

> General information Warning - this preparation contains a substance not yet

> > tested completely.

Inhalation IF INHALED: Remove person to fresh air and keep

comfortable for breathing.

IF SWALLOWED: Rinse mouth. Get medical attention Ingestion

immediately.

Skin Contact IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water/shower. If symptoms persist,

obtain medical attention.

Eye Contact IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

rinsing. If eye irritation persists: Get medical

advice/attention.

4.2 Most important symptoms and effects, both

acute and delayed

May cause irritation to the respiratory system. Inhalation Ingestion May cause headache, nausea and vomiting.

Skin Contact May cause irritation. Eye Contact May cause eye irritation. Treat symptomatically.

4.3 Indication of any immediate medical attention

and special treatment needed

#### **SECTION 5: FIRE-FIGHTING MEASURES** 5.

5.1 Non-flammable. In case of fire in the surroundings: all **Extinguishing Media** 

extinguishing agents allowed.

None anticipated.

5.2 Special hazards arising from the substance or

mixture

5.3 Advice for fire-fighters Fire fighters should wear complete protective clothing

including self-contained breathing apparatus.

# **SECTION 6: ACCIDENTAL RELEASE MEASURES**

6.1 Personal precautions, protective equipment and emergency procedures

protection.

6.2 **Environmental precautions** 6.3

Methods and material for containment and

cleaning up

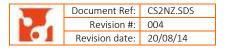
Cover with absorbent or contain. Collect and dispose. Wear suitable protective clothing, gloves and eye/face protection. Cover with absorbent or contain. Collect and dispose. Dispose of this material and its container to hazardous or special waste collection point. Wash the

Wear suitable protective clothing, gloves and eye/face

spillage area with water.

6.4 Reference to other sections Wear suitable protective clothing, gloves and eye/face

protection. For full text of H/P phrases see section 16.





Collect mechanically and dispose of according to Section

## **SECTION 7: HANDLING AND STORAGE**

7.1 Precautions for safe handling For professional users only.

Observe the usage / storage instructions.

Wear suitable protective clothing, gloves and eye/face

protection.

Avoid contact with skin and eyes.

Always wash hands before smoking, eating and drinking.

7.2 Conditions for safe storage, including any

incompatibilities

Storage temperature Storage temperature (°C): 2-8. Do not freeze. Storage life Observe directions on label and instructions for use.

Incompatible materials None anticipated. 7.3 Specific end use(s) Thermoreversible Gel

SU24 Scientific research and development

## 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 **Control parameters**

Exposure limit values Not determined. USA (NIOSH/OSHA) Not determined. BEI: Biological Exposure Indices (ACGIH) Not determined. OEL (Ireland) Not determined. Japan (ENCS) Not determined.

8.2 **Exposure controls** 

8.2.1 Appropriate engineering controls

8.2.2 Personal protection equipment

Provide adequate ventilation.





Eye/face protection Wear protective eyewear (goggles, face shield, or safety

glasses).

Skin protection (Hand protection/ Other) Wear suitable protective clothing and gloves.

Respiratory protection Not normally required. Unlikely to be hazardous by inhalation because of the low vapor pressure of the material

at ambient temperature.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical

properties

**Appearance** Colorless liquid, Colorless Gel.

Color. Colorless. Odor Odorless. Odor Threshold Not available. Not available. pΗ Melting Point/Freezing Point Not available. Initial boiling point and boiling range Not available. Flash point Not available. **Evaporation Rate** Not available. Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits Not available. Vapor pressure Not available. Vapor density Not available. Relative density Not available.

Solubility(ies) Not available. Partition coefficient: n-octanol/water Not available. Auto-ignition temperature Not available.



Decomposition Temperature
Viscosity
Not available.
Explosive properties
Oxidizing properties
Not available.
Not available.
Not available.
Not available.
None known.

#### 10. SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity** None known.

**10.2 Chemical stability** Stable at ambient temperatures.

10.3 Possibility of hazardous reactions None known.10.4 Conditions to avoid None known.

10.5 Incompatible materials Strong oxidizing agents. Strong Alkalis.

10.6 Hazardous decomposition product(s) None known.

# 11. SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

**Mixture** 

Warning - this preparation contains a substance not yet tested completely.

Acute toxicity Not determined. No information available. Irritation Not determined. No information available. Corrosivity Not determined. No information available. Sensitization Not determined. No information available. STOT - single exposure Not determined. No information available. Repeated dose toxicity Not determined. No information available. Carcinogenicity Not determined. No information available. Mutagenicity Not determined. No information available. **Toxicity for reproduction** Not determined. No information available.

11.2 Other information

Inhalation May cause irritation to the respiratory system. Ingestion May cause headache, nausea and vomiting.

Skin Contact May cause irritation.

Eye Contact May cause eye irritation.

#### 12. SECTION 12: ECOLOGICAL INFORMATION

Not determined. No information available. 12.1 **Toxicity** Not determined. No information available. 12.2 Persistence and degradability 12.3 Bioaccumulative potential Not determined. No information available. 12.4 Mobility in soil Not determined. No information available. Results of PBT and vPvB assessment 12.5 Not determined. No information available. Other adverse effects Not determined. No information available.

# 13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Disposal should be in accordance with local, state or

national legislation.

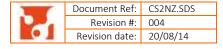
13.2 Additional Information Wear suitable protective clothing, gloves and eye/face

protection.

# 14. SECTION 14: TRANSPORT INFORMATION

NOT CLASSED AS DANGEROUS FOR
Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'. (IMDG, ICAO/IATA, ADR/RID).

14.1 **UN** number Not applicable. 14.2 **UN** proper shipping name Not applicable. Transport hazard class(es) Not applicable. 14.3 Packing group Not applicable. 14.4 **Environmental hazards** None known. 14.5 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of Not applicable.





#### MARPOL73/78 and the IBC Code

# 15. SECTION 15: REGULATORY INFORMATION

#### 15.1 Safety, health and environmental

regulations/legislation specific for the substance

or mixture

SARA 313 - Toxic Chemicals None CERCLA (Comprehensive Environmental Response None

Compensation and Liability Act) Proposition 65 (California)

Massachusetts MSL None
New Jersey Department of Health RTK List None
Pennsylvania RTK None

Canada

WHMIS Classification Contains no hazardous ingredients

PIN Number Not applicable.

CANADA INGREDIENT DISCLOSURE LIST None

15.2 Chemical Safety Assessment Not determined. No information available.

#### 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

#### **LEGEND**

LTEL Long Term Exposure Limit
STEL Short Term Exposure Limit
STOT Specific Target Organ Toxicity
DNEL Derived No Effect Level

PNEC Predicted No Effect Concentration
PBT Persistent, Bioaccumulative and Toxic
PVB very Persistent and very Bioaccumulative

Flam. Liq. 1 Flammable Liquid Category 1
Flam. Liq. 2 Flammable Liquid Category 2
Flam. Liq. 3 Flammable Liquid Category 3
Acute Tox. 4 Acute toxicity Category 4

Skin Irrit. 2 Skin corrosion/irritation Category 2
Eye Irrit. 2 Serious eye damage/irritation Category 2

STOT SE 3 Specific target organ toxicity — single exposure Category 3
STOT RE 1 Specific target organ toxicity — repeated exposure Category 1

## Hazard Statement(s) and Precautionary Statement(s)

Contains no hazardous ingredients P280: Wear protective gloves/protective clothing/eye protection/face

protection.

P264: Wash (hands and exposed skin) thoroughly after handling. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing.

P308+P313: IF exposed or concerned: Get medical advice/attention.

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