

Safety Data Sheet

Issue date: 2023/3/20

Revision date: 2023/3/20

Version: 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product Identifier**

Substance or Mixture name : GELLY ROLL RETRACTABLE METALLIC GREEN BULK
(Item code XGBRA108#529-B)

EC No. :

REACH No. :

CAS No. :

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

Sector of uses [SU] : Consumer uses: Private households (= general public = consumers)

Use of the substance/mixture : Ink and toners

Uses advised against : see section 16 for a general overview

1.3 Details of the Supplier of the Safety Data Sheet

Supplier : Sakura Color Products Corp. Quality Management Department

Address : 7-18-47, Kano, Higashi-osaka, Osaka, Japan

P.O.Box : 578-0901

Telephone : +81-(0)72-873-1295

Telefax : +81-(0)72-873-8225

E-Mail :

1.4 Emergency telephone number

Emergency telephone number : +81-(0)72-873-1295

Remark : Only available during office hours.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture:**

Acute toxicity oral:Not classified
 Acute toxicity Dermal:Not classified
 Acute toxicity inhalation:Not classified
 Skin corrosion/irritation:Not classified
 Serious eye damage/eye irritation:Not classified
 Respiratory sensitization:Not classified
 Skin sensitization:Not classified
 Germ cell mutagenicity:Not classified
 Carcinogenicity:Not classified
 Reproductive toxicity:Not classified
 Specific target organ toxicity - Single exposure:Classification not possible
 Specific target organ toxicity -Repeated exposure:Classification not possible
 Aspiration hazard:Classification not possible
 Hazardous to the aquatic environment-Acute hazard:Not classified
 Chronic aquatic hazard:Not classified
 Hazardous to the ozone layer:Classification not possible
 Reproductive toxicity (Effects on or via lactation):Classification not possible

2.2. Label elements:

Hazard pictograms: Not applicable

Signal word: Not applicable

Hazard statements: Not applicable

Precautionary statement: Not applicable

Supplemental Hazard information (EU) :

EUH208: Contains BIT. May produce an allergic reaction.

This product contains IPBC, which has skin sensitization properties.

SECTION 3: Composition / information on ingredients

: Mixtures

Substance	REACH Reg. No.	% (weight)	Type of No	No.	Hazard class,category, H code
Ethane-1,2-diol, vapour	Not available	1.0%	CAS	107-21-1	Acute Tox. 4 H302
1-Methoxypropan-2-ol		3.4%	CAS	107-98-2	Flam. Liq. 3, STOT SE 3 H226, H336
Aluminium metal	Not available	3.0%	CAS	7429-90-5	Flam. Sol. 1, Water-react. 2 H228, H261
Carbamic acid, butyl-, 3-iodo-2-propynyl ester		<0.1%	CAS	55406-53-6	Acute Tox. 4, Acute Tox. 3, Eye Dam. 1, Skin Sens. 1, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1, H302, H331, H318, H317, H372 (larynx), H400, H410
1,2-benzisothiazolin-3-one		<0.1%	CAS	2634-33-5	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, H302, H315, H318, H317, H400

Additional information :

Full text of H-statements to be referred in SDS Section 16

SECTION 4: First aid measures**4.1. Description of first aid measures****General information :**

Seek medical advice immediately.

Following inhalation:

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

Following skin contact

Wash immediately with : Water and soap
 In the case of contact with hot melt, treat skin with :
 No data available
 Do not wash with : No data available

After eye contact:

In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion :

Rinse mouth thoroughly with water.
 If swallowed immediately drink :

No data available

Self-protection of the first aider :

No data available

4.2. Most important symptoms and effects, both acute and delayed**Symptoms**

The following symptoms may occur :

No data available

Effects :

No data available

4.3. Indication of any immediate medical attention and special treatment needed**Notes for the doctor :**

No data available

Special treatment :

No data available

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media :

Water ABC-powder Carbon dioxide (CO2) Dry sand Water spray

Unsuitable extinguishing media:

Not applicable

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products :

No data available

5.3. Advice for firefighters

Special protective equipment for firefighters:

No data available

5.4. Additional information:

The product itself does not burn.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions :

No data available

Protective equipment :

No data available

Emergency procedures :

Provide adequate ventilation.

6.2. Environmental precautions :

Do not allow to enter into surface water or drains.

6.3. Methods and materials for containment and cleaning up

For containment

Suitable material for taking up:

No data available

For cleaning up

Suitable material for diluting or neutralising :

No data available

6.4. Reference to other sections :

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Protective measure

Advice on safe handling

Avoid : Not applicable

Handle under (gas) : Not applicable

Handle under (liquid) : Not applicable

Keep away from : No data available

Remark : No data available

Measures to prevent aerosol and dust generation

During filling, metering and sampling should be used if possible :

Not applicable

Use the following local exhaust ventilation type :

Not applicable

Environmental precaution :

Not applicable

Special requirements or handling rules :

Not applicable

Advice on general occupational hygiene :

Not applicable

7.2. Conditions for safe storage, including any incompatibilities**Packaging materials****Suitable container/equipment material :** No data available**Unsuitable container/equipment material :** Not applicable**Hints on joint storage****Storage class :** no classification**Materials to avoid :** Not applicable**Further information on storage conditions :** No data available**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational exposure limit values**

Ingredient	CAS NO.	EC No	Country	TWA		STEL	
				ppm	mg/m3	ppm	mg/m3
Ethane-1,2-diol, vapour	107-21-1		GB		10		
1-Methoxypropan-2-ol	107-98-2		GB	100	375	150	560
Aluminium metal	7429-90-5	231-072-3	GB		4		

Biological limit values

Ingredient	CAS NO.	EC No	Country	Unit	Limit value	Parameter
No data available						

8.2. Exposure controls**Appropriate engineering controls**

Initial Remarks : See section 7. No additional measures necessary.

Substance/mixture related measures to prevent exposure during identified users :

No data available

Technical measures to prevent exposure :

No data available

Personal protection equipment**Eye/face protection**

Suitable eye protection : No data available

Remark: No data available

Skin protection**Hand protection**

Suitable gloves type : No data available

Suitable material : No data available

Required properties : No data available

Remark : No data available

Body protection

Suitable protective clothing : No data available

Required properties : No data available

Recommended material : No data available

Respiratory protection

Respiratory protection necessary at :
No data available

According to experience this refers to the following tasks :
No data available

Suitable respiratory protection apparatus :
No data available

Remarks :

No data available

Environmental exposure controls**Technical measures to prevent exposure**

Use the following filter types for cleaning waste gases :
No data available

Use the following recovery and/or abatement technique for cleaning waste gases :
No data available

Use the following chemical treatment methods for waste water :
No data available

SECTION 9: Physical and chemical properties

Physical state	liquid
Color	Metallic Green
Odour	odourless
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	about 100°C
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	No data available
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity : No data available

10.2. Chemical stability : The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions**In case of melting :**

No data available

In case of vaporization :

No data available

In case of freezing :

No data available

10.4. Condition to avoid**In dry state :**

No data available

In an isolated state :

No data available

In fine dispersion/spraying/misting :

No data available

In case of warming :

No data available

In case of light influence :

No data available

In case of impact or pressure influence :

No data available

In case of air intake :

No data available

In case of exceeding the storage time :

No data available

In case of exceeding the storage temperature :

No data available

10.5. Incompatible materials**Materials to avoid**

No data available

10.6. Hazardous decomposition products:

No data available

10.7. Additional information

No data available

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute toxicity oral

Ethane-1,2-diol, vapour(Acute Tox. 4)

Specific target organ toxicity - Single exposure

1-Methoxypropan-2-ol(STOT SE3(Respir.-Irrit.))

11.2. Symptoms related to the physical, chemical and toxicological characteristics**In case of ingestion :**

No data available

In case of skin contact :

No data available

In case of inhalation :

No data available

11.3. Additional information :

No data available

SECTION 12: Ecological information**12.1. Toxicity :**

107-21-1, Ethylene glycol :

Algae : Selenastrum capricornutum EC50(mg /L) 24,000(7-d): Proliferation inhibition, Selenastru : Daphnia magna

EC50(mg /L) 18,000(48-h):swimming inhibition, Ceriodaphnia dubia LC50(mg /L) 1,3900(48-h), Fish : Poecilia

reticulata LC50(mg /L) 16,000(96-h), Lepomis macrochirus LC50(mg /L) 27,540(96-h)

12.2. Persistence and degradability :

107-21-1, Ethylene glycol :

Aerobic: good, decomposition rate by BOD 83~96 %,

Anaerobic: by anaerobic sludge in treatment plant of home sewage and industrial water, 129 mg/L, Ethylene glycol is reported to decompose 100 % for 1~2 weeks.

Abiotic: Reactivity with OH radical; in ratroposphere air, reaction rate, 7.7×10^{-12} cm³/mol.sec(22deg.C),OHRadical conc. $5.0 \times 10^5 \sim 1 \times 10^6$ mol/cm³, half time is calculated 25~50 hours.

12.3. Bioaccumulative potential :

107-21-1、 Ethylene glycol : Concentration factor: fish(Golden ide) 10(after 3days), Algae(Chlorella fusca); 190(after 1day)

12.4. Mobility in soil :

107-21-1、 Ethylene glycol : None

12.5. Hazardous to the ozone layer :

107-21-1、 Ethylene glycol : Not applicable

12.6. Other adverse effects :

No data available

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Product/packaging disposal**

Properties of waste which render it hazardous :

No data available

Waste treatment option

Appropriate disposal/Product :

Dispose of waste according to applicable legislation.

Appropriate disposal/Package :

No data available

Remarks :

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information**14.1 UN number**

Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable

14.2. UN proper shipping name

Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable

14.3. Transport hazard class(es)

Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable

14.4. Packing group

Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable

14.5. Environmental hazards

Land transport(ADR/RID)	No data available
Inland waterway transport(ADN)	No data available
Sea transportation(IMDG)	No data available
Air transportationICAO-TI/IATA-DGR	No data available

14.6. Transport in bulk according to MARPOL73/78 and the IBC Code Not applicable

14.7. Marine pollutant : Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulation****Authorisations and/or restrictions on use**

Authorisations : Not applicable

1-Methoxypropan-2-ol,;

Restrictions on use : Aluminium metal,;

by REACH TITLE VIII

Restriction of occupation :

Other regulations (EU)**Directive 2004/42/CE on the limitation of emissions of volatile organic compounds**

VOC product category :

VOC subcategory of the product :

VOC content(g/L), ready to use condition :

VOC content(g/L), delivery state :

VOC-value(in g/L) :

Method :

Remak :

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

Classification according to Annex I, Part I : Not applicable

Entry in Annex I, Part 2

Number : Not applicable

Named dangerous substances : Not applicable

Remark :

Candidate of SVHC

Not applicable

15.2. Chemical Safety Assessment :

No data available

SECTION 16: Other information**Relevant H-phrases in Section 3 and EUH-phrases in Section 2 (Number and full text) :**

H226 Flammable liquid and vapour

H228 Flammable solid

H261 In contact with water releases flammable gas

H302 Harmful if swallowed

H336 May cause drowsiness or dizziness

EUH208 Contains BIT. May produce an allergic reaction.

Data sources:

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.

Safety Data Sheet

Issue date: 2023/3/20

Revision date: 2023/3/20

Version: 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product Identifier**

Substance or Mixture name : GELLY ROLL RETRACTABLE METALLIC PURPLE BULK
(Item code XGBRA108#524-B)

EC No. :

REACH No. :

CAS No. :

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

Sector of uses [SU] : Consumer uses: Private households (= general public = consumers)

Use of the substance/mixture : Ink and toners

Uses advised against : see section 16 for a general overview

1.3 Details of the Supplier of the Safety Data Sheet

Supplier : Sakura Color Products Corp. Quality Management Department

Address : 7-18-47, Kano, Higashi-osaka, Osaka, Japan

P.O.Box : 578-0901

Telephone : +81-(0)72-873-1295

Telefax : +81-(0)72-873-8225

E-Mail :

1.4 Emergency telephone number

Emergency telephone number : +81-(0)72-873-1295

Remark : Only available during office hours.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture:**

Acute toxicity oral:Not classified
 Acute toxicity Dermal:Not classified
 Acute toxicity inhalation:Not classified
 Skin corrosion/irritation:Not classified
 Serious eye damage/eye irritation:Not classified
 Respiratory sensitization:Not classified
 Skin sensitization:Not classified
 Germ cell mutagenicity:Not classified
 Carcinogenicity:Not classified
 Reproductive toxicity:Not classified
 Specific target organ toxicity - Single exposure:Classification not possible
 Specific target organ toxicity -Repeated exposure:Classification not possible
 Aspiration hazard:Classification not possible
 Hazardous to the aquatic environment-Acute hazard:Not classified
 Chronic aquatic hazard:Not classified
 Hazardous to the ozone layer:Classification not possible
 Reproductive toxicity (Effects on or via lactation):Classification not possible

2.2. Label elements:

Hazard pictograms: Not applicable

Signal word: Not applicable

Hazard statements: Not applicable

Precautionary statement: Not applicable

Supplemental Hazard information (EU) :

EUH208: Contains BIT. May produce an allergic reaction.

This product contains IPBC, which has skin sensitization properties.

SECTION 3: Composition / information on ingredients

: Mixtures

Substance	REACH Reg. No.	% (weight)	Type of No	No.	Hazard class,category, H code
Ethane-1,2-diol, vapour	Not available	0.8%	CAS	107-21-1	Acute Tox. 4 H302
1-Methoxypropan-2-ol		3.4%	CAS	107-98-2	Flam. Liq. 3,STOT SE 3 H226,H336
Aluminium metal	Not available	3.0%	CAS	7429-90-5	Flam. Sol. 1,Water-react. 2 H228,H261
Carbamic acid, butyl-, 3-iodo-2-propynyl ester		<0.1%	CAS	55406-53-6	Acute Tox. 4, Acute Tox. 3, Eye Dam. 1, Skin Sens. 1, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1, H302, H331, H318, H317, H372 (larynx), H400, H410
1,2-benzisothiazolin-3-one		<0.1%	CAS	2634-33-5	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, H302, H315, H318, H317, H400

Additional information :

Full text of H-statements to be referred in SDS Section 16

SECTION 4: First aid measures**4.1. Description of first aid measures****General information :**

Seek medical advice immediately.

Following inhalation:

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

Following skin contact

Wash immediately with : Water and soap
 In the case of contact with hot melt, treat skin with :
 No data available
 Do not wash with : No data available

After eye contact:

In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion :

Rinse mouth thoroughly with water.
 If swallowed immediately drink :

No data available

Self-protection of the first aider :

No data available

4.2. Most important symptoms and effects, both acute and delayed**Symptoms**

The following symptoms may occur :

No data available

Effects :

No data available

4.3. Indication of any immediate medical attention and special treatment needed**Notes for the doctor :**

No data available

Special treatment :

No data available

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media :

Water ABC-powder Carbon dioxide (CO2) Dry sand Water spray

Unsuitable extinguishing media:

Not applicable

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products :

No data available

5.3. Advice for firefighters

Special protective equipment for firefighters:

No data available

5.4. Additional information:

The product itself does not burn.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions :

No data available

Protective equipment :

No data available

Emergency procedures :

Provide adequate ventilation.

6.2. Environmental precautions :

Do not allow to enter into surface water or drains.

6.3. Methods and materials for containment and cleaning up

For containment

Suitable material for taking up:

No data available

For cleaning up

Suitable material for diluting or neutralising :

No data available

6.4. Reference to other sections :

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Protective measure

Advice on safe handling

Avoid : Not applicable

Handle under (gas) : Not applicable

Handle under (liquid) : Not applicable

Keep away from : No data available

Remark : No data available

Measures to prevent aerosol and dust generation

During filling, metering and sampling should be used if possible :
Not applicable

Use the following local exhaust ventilation type :
Not applicable

Environmental precaution :

Not applicable

Special requirements or handling rules :

Not applicable

Advice on general occupational hygiene :

Not applicable

7.2. Conditions for safe storage, including any incompatibilities**Packaging materials**

Suitable container/equipment material : No data available

Unsuitable container/equipment material : Not applicable

Hints on joint storage

Storage class : no classification

Materials to avoid : Not applicable

Further information on storage conditions : No data available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational exposure limit values**

Ingredient	CAS NO.	EC No	Country	TWA		STEL	
				ppm	mg/m3	ppm	mg/m3
Ethane-1,2-diol, vapour	107-21-1		GB		10		
1-Methoxypropan-2-ol	107-98-2		GB	100	375	150	560
Aluminium metal	7429-90-5	231-072-3	GB		4		

Biological limit values

Ingredient	CAS NO.	EC No	Country	Unit	Limit value	Parameter
No data available						

8.2. Exposure controls**Appropriate engineering controls**

Initial Remarks : See section 7. No additional measures necessary.

Substance/mixture related measures to prevent exposure during identified users :
No data available

Technical measures to prevent exposure :
No data available

Personal protection equipment**Eye/face protection**

Suitable eye protection : No data available

Remark: No data available

Skin protection**Hand protection**

Suitable gloves type : No data available

Suitable material : No data available

Required properties : No data available

Remark : No data available

Body protection

Suitable protective clothing : No data available

Required properties : No data available

Recommended material : No data available

Respiratory protection

Respiratory protection necessary at :

No data available

According to experience this refers to the following tasks :

No data available

Suitable respiratory protection apparatus :

No data available

Remarks :

No data available

Environmental exposure controls**Technical measures to prevent exposure**

Use the following filter types for cleaning waste gases :

No data available

Use the following recovery and/or abatement technique for cleaning waste gases :

No data available

Use the following chemical treatment methods for waste water :

No data available

SECTION 9: Physical and chemical properties

Physical state	liquid
Color	Metallic Purple
Odour	odourless
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	about 100°C
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	No data available
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

SECTION 10: Stability and reactivity**10.1. Reactivity :** No data available**10.2. Chemical stability :** The product is chemically stable under recommended conditions of storage, use and temperature.**10.3. Possibility of hazardous reactions****In case of melting :**

No data available

In case of vaporization :

No data available

In case of freezing :

No data available

10.4. Condition to avoid**In dry state :**

No data available

In an isolated state :

No data available

In fine dispersion/spraying/misting :

No data available

In case of warming :

No data available

In case of light influence :

No data available

In case of impact or pressure influence :

No data available

In case of air intake :

No data available

In case of exceeding the storage time :

No data available

In case of exceeding the storage temperature :

No data available

10.5. Incompatible materials**Materials to avoid**

No data available

10.6. Hazardous decomposition products:

No data available

10.7. Additional information

No data available

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute toxicity oral

Ethane-1,2-diol, vapour(Acute Tox. 4)

Specific target organ toxicity - Single exposure

1-Methoxypropan-2-ol(STOT SE3(Respir.-Irrit.))

11.2. Symptoms related to the physical, chemical and toxicological characteristics**In case of ingestion :**

No data available

In case of skin contact :

No data available

In case of inhalation :

No data available

11.3. Additional information :

No data available

SECTION 12: Ecological information**12.1. Toxicity :**

107-21-1, Ethylene glycol :

Algae : Selenastrum capricornutum EC50(mg /L) 24,000(7-d): Proliferation inhibition, Selenastru : Daphnia magna EC50(mg /L) 18,000(48-h):swimming inhibition, Ceriodaphnia dubia LC50(mg /L) 1,3900(48-h), Fish : Poecilia reticulata LC50(mg /L) 16,000(96-h), Lepomis macrochirus LC50(mg /L) 27,540(96-h)

12.2. Persistence and degradability :

107-21-1, Ethylene glycol :

Aerobic: good, decomposition rate by BOD 83~96 %,

Anaerobic: by anaerobic sludge in treatment plant of home sewage and industrial water, 129 mg/L, Ethylene glycol is reported to decompose 100 % for 1~2 weeks.

Abiotic: Reactivity with OH radical; in ratroposphere air, reaction rate, 7.7×10^{-12} cm³/mol.sec(22deg.C),OHRadical conc. $5.0 \times 10^5 \sim 1 \times 10^6$ mol/cm³, half time is calculated 25~50 hours.

12.3. Bioaccumulative potential :

107-21-1、 Ethylene glycol : Concentration factor: fish(Golden ide) 10(after 3days), Algae(Chlorella fusca); 190(after 1day)

12.4. Mobility in soil :

107-21-1、 Ethylene glycol : None

12.5. Hazardous to the ozone layer :

107-21-1、 Ethylene glycol : Not applicable

12.6. Other adverse effects :

No data available

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Product/packaging disposal**

Properties of waste which render it hazardous :

No data available

Waste treatment option

Appropriate disposal/Product :

Dispose of waste according to applicable legislation.

Appropriate disposal/Package :

No data available

Remarks :

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information**14.1 UN number**

Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable

14.2. UN proper shipping name

Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable

14.3. Transport hazard class(es)

Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable

14.4. Packing group

Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable

14.5. Environmental hazards

Land transport(ADR/RID)	No data available
Inland waterway transport(ADN)	No data available
Sea transportation(IMDG)	No data available
Air transportationICAO-TI/IATA-DGR	No data available

14.6. Transport in bulk according to MARPOL73/78 and the IBC Code Not applicable

14.7. Marine pollutant : Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulation****Authorisations and/or restrictions on use**

Authorisations : Not applicable

1-Methoxypropan-2-ol,;

Restrictions on use : Aluminium metal,;

by REACH TITLE VIII

Restriction of occupation :

Other regulations (EU)**Directive 2004/42/CE on the limitation of emissions of volatile organic compounds**

VOC product category :

VOC subcategory of the product :

VOC content(g/L), ready to use condition :

VOC content(g/L), delivery state :

VOC-value(in g/L) :

Method :

Remak :

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

Classification according to Annex I, Part I : Not applicable

Entry in Annex I, Part 2

Number : Not applicable

Named dangerous substances : Not applicable

Remark :

Candidate of SVHC

Not applicable

15.2. Chemical Safety Assessment :

No data available

SECTION 16: Other information**Relevant H-phrases in Section 3 and EUH-phrases in Section 2 (Number and full text) :**

H226 Flammable liquid and vapour

H228 Flammable solid

H261 In contact with water releases flammable gas

H302 Harmful if swallowed

H336 May cause drowsiness or dizziness

EUH208 Contains BIT. May produce an allergic reaction.

Data sources:

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.

Safety Data Sheet

Issue date: 2023/3/20

Revision date: 2023/3/20

Version: 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product Identifier**

Substance or Mixture name : GELLY ROLL RETRACTABLE METALLIC BLUE BULK
(Item code XGBRA108#536-B)

EC No. :

REACH No. :

CAS No. :

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

Sector of uses [SU] : Consumer uses: Private households (= general public = consumers)

Use of the substance/mixture : Ink and toners

Uses advised against : see section 16 for a general overview

1.3 Details of the Supplier of the Safety Data Sheet

Supplier : Sakura Color Products Corp. Quality Management Department

Address : 7-18-47, Kano, Higashi-osaka, Osaka, Japan

P.O.Box : 578-0901

Telephone : +81-(0)72-873-1295

Telefax : +81-(0)72-873-8225

E-Mail :

1.4 Emergency telephone number

Emergency telephone number : +81-(0)72-873-1295

Remark : Only available during office hours.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture:**

Acute toxicity oral:Not classified
 Acute toxicity Dermal:Not classified
 Acute toxicity inhalation:Not classified
 Skin corrosion/irritation:Not classified
 Serious eye damage/eye irritation:Not classified
 Respiratory sensitization:Not classified
 Skin sensitization:Not classified
 Germ cell mutagenicity:Not classified
 Carcinogenicity:Not classified
 Reproductive toxicity:Not classified
 Specific target organ toxicity - Single exposure:Classification not possible
 Specific target organ toxicity -Repeated exposure:Classification not possible
 Aspiration hazard:Classification not possible
 Hazardous to the aquatic environment-Acute hazard:Not classified
 Chronic aquatic hazard:Not classified
 Hazardous to the ozone layer:Classification not possible
 Reproductive toxicity (Effects on or via lactation):Classification not possible

2.2. Label elements:

Hazard pictograms: Not applicable

Signal word: Not applicable

Hazard statements: Not applicable

Precautionary statement: Not applicable

Supplemental Hazard information (EU) :

EUH208: Contains BIT. May produce an allergic reaction.

This product contains IPBC, which has skin sensitization properties.

SECTION 3: Composition / information on ingredients

: Mixtures

Substance	REACH Reg. No.	% (weight)	Type of No	No.	Hazard class,category, H code
Ethane-1,2-diol, vapour	Not available	1.0%	CAS	107-21-1	Acute Tox. 4 H302
1-Methoxypropan-2-ol		3.4%	CAS	107-98-2	Flam. Liq. 3,STOT SE 3 H226,H336
Aluminium metal	Not available	3.0%	CAS	7429-90-5	Flam. Sol. 1,Water-react. 2 H228,H261
Carbamic acid, butyl-, 3-iodo-2-propynyl ester		<0.1%	CAS	55406-53-6	Acute Tox. 4, Acute Tox. 3, Eye Dam. 1, Skin Sens. 1, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1, H302, H331, H318, H317, H372 (larynx), H400, H410
1,2-benzisothiazolin-3-one		<0.1%	CAS	2634-33-5	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, H302, H315, H318, H317, H400

Additional information :

Full text of H-statements to be referred in SDS Section 16

SECTION 4: First aid measures**4.1. Description of first aid measures****General information :**

Seek medical advice immediately.

Following inhalation:

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

Following skin contact

Wash immediately with : Water and soap
 In the case of contact with hot melt, treat skin with :
 No data available
 Do not wash with : No data available

After eye contact:

In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion :

Rinse mouth thoroughly with water.
 If swallowed immediately drink :

No data available

Self-protection of the first aider :

No data available

4.2. Most important symptoms and effects, both acute and delayed**Symptoms**

The following symptoms may occur :

No data available

Effects :

No data available

4.3. Indication of any immediate medical attention and special treatment needed**Notes for the doctor :**

No data available

Special treatment :

No data available

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media :

Water ABC-powder Carbon dioxide (CO2) Dry sand Water spray

Unsuitable extinguishing media:

Not applicable

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products :

No data available

5.3. Advice for firefighters

Special protective equipment for firefighters:

No data available

5.4. Additional information:

The product itself does not burn.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions :

No data available

Protective equipment :

No data available

Emergency procedures :

Provide adequate ventilation.

6.2. Environmental precautions :

Do not allow to enter into surface water or drains.

6.3. Methods and materials for containment and cleaning up

For containment

Suitable material for taking up:

No data available

For cleaning up

Suitable material for diluting or neutralising :

No data available

6.4. Reference to other sections :

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Protective measure

Advice on safe handling

Avoid : Not applicable

Handle under (gas) : Not applicable

Handle under (liquid) : Not applicable

Keep away from : No data available

Remark : No data available

Measures to prevent aerosol and dust generation

During filling, metering and sampling should be used if possible :

Not applicable

Use the following local exhaust ventilation type :

Not applicable

Environmental precaution :

Not applicable

Special requirements or handling rules :

Not applicable

Advice on general occupational hygiene :

Not applicable

7.2. Conditions for safe storage, including any incompatibilities**Packaging materials****Suitable container/equipment material :** No data available**Unsuitable container/equipment material :** Not applicable**Hints on joint storage****Storage class :** no classification**Materials to avoid :** Not applicable**Further information on storage conditions :** No data available**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational exposure limit values**

Ingredient	CAS NO.	EC No	Country	TWA		STEL	
				ppm	mg/m3	ppm	mg/m3
Ethane-1,2-diol, vapour	107-21-1		GB		10		
1-Methoxypropan-2-ol	107-98-2		GB	100	375	150	560
Aluminium metal	7429-90-5	231-072-3	GB		4		

Biological limit values

Ingredient	CAS NO.	EC No	Country	Unit	Limit value	Parameter
No data available						

8.2. Exposure controls**Appropriate engineering controls**

Initial Remarks : See section 7. No additional measures necessary.

Substance/mixture related measures to prevent exposure during identified users :

No data available

Technical measures to prevent exposure :

No data available

Personal protection equipment**Eye/face protection**

Suitable eye protection : No data available

Remark: No data available

Skin protection**Hand protection**

Suitable gloves type : No data available

Suitable material : No data available

Required properties : No data available

Remark : No data available

Body protection

Suitable protective clothing : No data available

Required properties : No data available

Recommended material : No data available

Respiratory protection

Respiratory protection necessary at :

No data available

According to experience this refers to the following tasks :

No data available

Suitable respiratory protection apparatus :

No data available

Remarks :

No data available

Environmental exposure controls**Technical measures to prevent exposure**

Use the following filter types for cleaning waste gases :

No data available

Use the following recovery and/or abatement technique for cleaning waste gases :

No data available

Use the following chemical treatment methods for waste water :

No data available

SECTION 9: Physical and chemical properties

Physical state	liquid
Color	Metallic Blue
Odour	odourless
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	about 100°C
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	No data available
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

SECTION 10: Stability and reactivity**10.1. Reactivity :** No data available**10.2. Chemical stability :** The product is chemically stable under recommended conditions of storage, use and temperature.**10.3. Possibility of hazardous reactions****In case of melting :**

No data available

In case of vaporization :

No data available

In case of freezing :

No data available

10.4. Condition to avoid**In dry state :**

No data available

In an isolated state :

No data available

In fine dispersion/spraying/misting :

No data available

In case of warming :

No data available

In case of light influence :

No data available

In case of impact or pressure influence :

No data available

In case of air intake :

No data available

In case of exceeding the storage time :

No data available

In case of exceeding the storage temperature :

No data available

10.5. Incompatible materials**Materials to avoid**

No data available

10.6. Hazardous decomposition products:

No data available

10.7. Additional information

No data available

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute toxicity oral

Ethane-1,2-diol, vapour(Acute Tox. 4)

Specific target organ toxicity - Single exposure

1-Methoxypropan-2-ol(STOT SE3(Respir.-Irrit.))

11.2. Symptoms related to the physical, chemical and toxicological characteristics**In case of ingestion :**

No data available

In case of skin contact :

No data available

In case of inhalation :

No data available

11.3. Additional information :

No data available

SECTION 12: Ecological information**12.1. Toxicity :**

107-21-1, Ethylene glycol :

Algae : Selenastrum capricornutum EC50(mg /L) 24,000(7-d): Proliferation inhibition, Selenastru : Daphnia magna

EC50(mg /L) 18,000(48-h):swimming inhibition, Ceriodaphnia dubia LC50(mg /L) 1,3900(48-h), Fish : Poecilia

reticulata LC50(mg /L) 16,000(96-h), Lepomis macrochirus LC50(mg /L) 27,540(96-h)

12.2. Persistence and degradability :

107-21-1, Ethylene glycol :

Aerobic: good, decomposition rate by BOD 83~96 %,

Anaerobic: by anaerobic sludge in treatment plant of home sewage and industrial water, 129 mg/L, Ethylene glycol is reported to decompose 100 % for 1~2 weeks.

Abiotic: Reactivity with OH radical; in ratroposphere air, reaction rate, 7.7×10^{-12} cm³/mol.sec(22deg.C),OHRadical conc. $5.0 \times 10^5 \sim 1 \times 10^6$ mol/cm³, half time is calculated 25~50 hours.

12.3. Bioaccumulative potential :

107-21-1、 Ethylene glycol : Concentration factor: fish(Golden ide) 10(after 3days), Algae(Chlorella fusca); 190(after 1day)

12.4. Mobility in soil :

107-21-1、 Ethylene glycol : None

12.5. Hazardous to the ozone layer :

107-21-1、 Ethylene glycol : Not applicable

12.6. Other adverse effects :

No data available

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Product/packaging disposal**

Properties of waste which render it hazardous :

No data available

Waste treatment option

Appropriate disposal/Product :

Dispose of waste according to applicable legislation.

Appropriate disposal/Package :

No data available

Remarks :

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information**14.1 UN number**

Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable

14.2. UN proper shipping name

Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable

14.3. Transport hazard class(es)

Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable

14.4. Packing group

Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable

14.5. Environmental hazards

Land transport(ADR/RID)	No data available
Inland waterway transport(ADN)	No data available
Sea transportation(IMDG)	No data available
Air transportationICAO-TI/IATA-DGR	No data available

14.6. Transport in bulk according to MARPOL73/78 and the IBC Code Not applicable

14.7. Marine pollutant : Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulation****Authorisations and/or restrictions on use**

Authorisations : Not applicable

1-Methoxypropan-2-ol,;

Restrictions on use : Aluminium metal,;

by REACH TITLE VIII

Restriction of occupation :

Other regulations (EU)**Directive 2004/42/CE on the limitation of emissions of volatile organic compounds**

VOC product category :

VOC subcategory of the product :

VOC content(g/L), ready to use condition :

VOC content(g/L), delivery state :

VOC-value(in g/L) :

Method :

Remak :

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

Classification according to Annex I, Part I : Not applicable

Entry in Annex I, Part 2

Number : Not applicable

Named dangerous substances : Not applicable

Remark :

Candidate of SVHC

Not applicable

15.2. Chemical Safety Assessment :

No data available

SECTION 16: Other information**Relevant H-phrases in Section 3 and EUH-phrases in Section 2 (Number and full text) :**

H226 Flammable liquid and vapour

H228 Flammable solid

H261 In contact with water releases flammable gas

H302 Harmful if swallowed

H336 May cause drowsiness or dizziness

EUH208 Contains BIT. May produce an allergic reaction.

Data sources:

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.