SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 and The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 No. 720

Issuing Date 21-Jun-2023 **Revision Date** 21-Jun-2023 **Revision Number** 1

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

1.1. Product identifier

Product Code(s) Item # 609001, Description: SG500 Starter Cart – K
Item # 609101, Description: SG500/SG1000 Cart – K
Item # 609231, Description: SG1000 Cart – K

Product Name SubliJet UHD Black

Synonyms None

Pure substance/mixture Mixture

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

Recommended use Ink

Uses advised against Use only for intended applications

1.3. Details of the supplier of the safety data sheet

Importer
Span Corp Ltd
Unit 6, Arundel Business Park
Claywheels Lane, Hillsborough
Sheffield, South Yorkshire
S6 1LZ, UK
011 44 114 231 6887

Manufacturer
Sawgrass Technologies, Inc.
420 Wando Park Blvd
Mount Pleasant, SC 29492
USA
+1 843-884-1575

For further information, please contact
E-mail address ap@sawgrassink.com

1.4. Emergency telephone number

Emergency telephone CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified

2.2. Label elements

Not classified

Hazard statements
Not classified.
EUH208 - Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.
EUH210 - Safety data sheet available on request

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
1,2,3-Propanetriol 56-81-5	<= 40	200-289-5	-	-	-	-	-
1,2-Benzisothiazolin-3-one 2634-33-5	0.04	(613-088-00-6) 220-120-9	-	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)	Skin Sens. 1 :: C>=0.05%	-	-

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration >= 0.1% (UK REACH Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Remove to fresh air.

Eye contact Rinse thoroughly with plenty of water, also under the eyelids.

Skin contact Wash skin with soap and water.

Ingestion Rinse mouth.

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

Symptoms No information available.

Effects of Exposure No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Wear personal protective equipment.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific use(s) The identified uses for this product are detailed in Section 1.2.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	United Kingdom
1,2,3-Propanetriol 56-81-5	TWA: 10 mg/m³ STEL: 30 mg/m³

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
1,2,3-Propanetriol 56-81-5			56 mg/m³ [5] [6]
Benzenamine, N,N-diethyl-3-methyl-4-[(5-nitro-2-thiazolyl)azo]- 70693-64-0		2.5 mg/kg bw/day [4] [6]	13.3 mg/m³ [4] [6]
Dipropylene glycol 25265-71-8		84 mg/kg bw/day [4] [6]	238 mg/m³ [4] [6]
Alanine, N,N-bis(carboxymethyl)-, trisodium salt 164462-16-2		170 mg/kg bw/day [4] [6] 2000 mg/kg bw/day [4] [7] 2000 mg/cm2 [5] [7]	40 mg/m³ [4] [6] 40 mg/m³ [4] [7] 4 mg/m³ [5] [6] 40 mg/m³ [5] [7]
Dioctyl sodium sulfosuccinate 577-11-7		267.86 mg/kg bw/day [4] [6]	1889.1 mg/m³ [4] [6]
Polyoxyethylene 2,4,7,9-tetramethyl-5-decyne-4,7-diol 9014-85-1		7 mg/kg bw/day [4] [6]	24.7 mg/m³ [4] [6]
1,2-Benzisothiazolin-3-one 2634-33-5		0.966 mg/kg bw/day [4] [6]	6.81 mg/m³ [4] [6]
5-Decyne-4,7-diol, 2,4,7,9-tetramethyl- 126-86-3		0.5 mg/kg bw/day [4] [6] 1.5 mg/kg bw/day [4] [7]	1.76 mg/m³ [4] [6] 5.28 mg/m³ [4] [7]
1,2-Propanediol 57-55-6			168 mg/m³ [4] [6] 10 mg/m³ [5] [6]
Sodium hydroxide 1310-73-2			1 mg/m³ [5] [6]

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
1,2,3-Propanetriol 56-81-5	229 mg/kg bw/day [4] [6]		33 mg/m³ [5] [6]
Benzenamine,			6.5 mg/m³ [4] [6]

Chemical name	Oral	Dermal	Inhalation
N,N-diethyl-3-methyl-4-[(5-nitro-2-thiazolyl)azo]- 70693-64-0			
Dipropylene glycol 25265-71-8	24 mg/kg bw/day [4] [6]		70 mg/m³ [4] [6]
Alanine, N,N-bis(carboxymethyl)-, trisodium salt 164462-16-2	17 mg/kg bw/day [4] [6] 85 mg/kg bw/day [4] [7]	400 mg/kg bw/day [4] [6] 400 mg/kg bw/day [4] [7] 400 mg/cm2 [5] [7]	20 mg/m³ [4] [6] 20 mg/m³ [4] [7] 2 mg/m³ [5] [6] 20 mg/m³ [5] [7]
Dioctyl sodium sulfosuccinate 577-11-7	17.86 mg/kg bw/day [4] [6]		559.01 mg/m³ [4] [6]
Polyoxyethylene 2,4,7,9-tetramethyl-5-decyne-4,7-diol 9014-85-1	2.5 mg/kg bw/day [4] [6]		4.35 mg/m³ [4] [6]
1,2-Benzisothiazolin-3-one 2634-33-5			1.2 mg/m³ [4] [6]
5-Decyne-4,7-diol, 2,4,7,9-tetramethyl- 126-86-3	0.25 mg/kg bw/day [4] [6] 0.75 mg/kg bw/day [4] [7]	0.75 mg/kg bw/day [4] [6] 0.75 mg/kg bw/day [4] [7]	0.43 mg/m³ [4] [6] 1.29 mg/m³ [4] [7]
1,2-Propanediol 57-55-6			50 mg/m³ [4] [6] 10 mg/m³ [5] [6]
Sodium hydroxide 1310-73-2			1 mg/m³ [5] [6]

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
1,2,3-Propanetriol 56-81-5	0.885 mg/L	8.85 mg/L	0.0885 mg/L		
Benzenamine, N-(2-chloroethyl)-4-[(2,6-dichloro-4-nitrophenyl)azo]-N-ethyl-3-methyl- 63741-10-6	0.741 µg/L	0.741 µg/L	0.0741 µg/L	0.0741 µg/L	
Benzenamine, N,N-diethyl-3-methyl-4-[(5-nitro-2-thiazolyl)azo]- 70693-64-0	0.1 mg/L	0.1 mg/L	0.1 mg/L	0.1 mg/L	
Dipropylene glycol 25265-71-8	0.1 mg/L	1 mg/L	0.01 mg/L		
Dioctyl sodium sulfosuccinate 577-11-7	0.18 mg/L	0.152 mg/L	0.018 mg/L		
Polyoxyethylene 2,4,7,9-tetramethyl-5-decyne-4,7-diol 9014-85-1	0.036 mg/L	0.36 mg/L	0.0036 mg/L	0.036 mg/L	
1,2-Benzisothiazolin-3-one 2634-33-5	4.03 µg/L	1.1 µg/L	0.403 µg/L	110 ng/L	
5-Decyne-4,7-diol,	0.04 mg/L	0.4 mg/L	0.004 mg/L		

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
2,4,7,9-tetramethyl- 126-86-3					
1,2-Propanediol 57-55-6	260 mg/L	183 mg/L	26 mg/L		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
1,2,3-Propanetriol 56-81-5	3.3 mg/kg sediment dw	0.33 mg/kg sediment dw	1000 mg/L	0.141 mg/kg soil dw	
Benzenamine, N-(2-chloroethyl)-4-[(2,6-dichloro-4-nitrophenyl)azo]-N-ethyl-3-methyl- 63741-10-6			1 mg/L		
Dipropylene glycol 25265-71-8	0.238 mg/kg sediment dw	0.0238 mg/kg sediment dw	1000 mg/L	0.0253 mg/kg soil dw	313 mg/kg food
Alanine, N,N-bis(carboxymethyl)-, trisodium salt 164462-16-2				2.5 mg/kg soil dw	
Dioctyl sodium sulfosuccinate 577-11-7	17.789 mg/kg sediment dw	1.7789 mg/kg sediment dw	12.2 mg/L	1.04 mg/kg soil dw	
Polyoxyethylene 2,4,7,9-tetramethyl-5-decyne-4,7-diol 9014-85-1	0.29 mg/kg sediment dw	0.029 mg/kg sediment dw	6.8 mg/L	0.036 mg/kg soil dw	
1,2-Benzisothiazolin-3-one 2634-33-5	49.9 µg/kg sediment dw	4.99 µg/kg sediment dw	1.03 mg/L	3 mg/kg soil dw	
5-Decyne-4,7-diol, 2,4,7,9-tetramethyl- 126-86-3	0.32 mg/kg sediment dw	0.032 mg/kg sediment dw	7 mg/L	0.028 mg/kg soil dw	
1,2-Propanediol 57-55-6	572 mg/kg sediment dw	57.2 mg/kg sediment dw	20000 mg/L	50 mg/kg soil dw	

8.2. Exposure controls

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Hand protection

Wear suitable gloves.

Skin and body protection

No special protective equipment required.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	colored liquid
Physical state	Liquid
Color	Black
Odor	Odorless
Odor threshold	No information available

Property	Values	Remarks • Method
Melting point / freezing point		No data available
Initial boiling point and boiling range	~ 100 °C	
Flammability		No data available
Flammability Limit in Air		
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Flash point		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
pH	6 - 10	
pH (as aqueous solution)		No data available
Kinematic viscosity		No data available
Dynamic viscosity	2 - 8 mPa s	
Water solubility	Miscible in water	
Solubility(ies)		No data available
Partition coefficient		No data available
Vapor pressure		No data available
Relative density		No data available
Bulk density		No data available
Liquid Density		No data available
Relative vapor density		No data available
Particle characteristics		
Particle Size		No data available
Particle Size Distribution		No data available

Explosive properties	No information available.
Oxidizing properties	No information available.

9.2. Other information

VOC	No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No information available.

10.2. Chemical stability

Stability	Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal processing.

10.4. Conditions to avoid

Conditions to avoid High temperature.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Toxicological information

Information on likely routes of exposure

Product Information .

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity .

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 117,764.70 mg/kg
ATEmix (dermal) 117,764.70 mg/kg
ATEmix (inhalation-dust/mist) 6.71 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
1,2,3-Propanetriol	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 2.75 mg/L (Rat) 4 h
1,2-Benzisothiazolin-3-one	= 1020 mg/kg (Rat)	> 2000 mg/kg (Rat)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity The environmental impact of this product has not been fully investigated.

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
1,2,3-Propanetriol	-	LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss)	-	-

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
1,2,3-Propanetriol	-1.75
1,2-Benzisothiazolin-3-one	0.99

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
1,2,3-Propanetriol	The substance is not PBT / vPvB
1,2-Benzisothiazolin-3-one	The substance is not PBT / vPvB

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IMDG	Not regulated
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID	Not regulated
14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None

ADR	Not regulated
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None

IATA	Not regulated
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None
Note:	None

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (UK REACH - Annex XIV). This product does not contain substances subject to restriction (UK REACH - Annex XVII).

Persistent Organic Pollutants
Not applicable

Export Notification requirements
Not applicable

Named dangerous substances per COMAH Regulations 2015 (as amended)
Not applicable

The Ozone-Depleting Substances Regulations 2015
Not applicable

The Biocidal Products Regulations 2001 (as amended)

Chemical name	The Biocidal Products Regulations 2001 (as amended)
1,2-Benzisothiazolin-3-one - 2634-33-5	Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 6: Preservatives for products during storage Product-type 9: Fiber, leather, rubber and polymerized materials preservatives Product-type 11: Preservatives for liquid-cooling and processing systems Product-type 12: Slimicides Product-type 13: Working or cutting fluid preservatives

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)
Not applicable

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)
Not applicable

International Inventories
Contact supplier for inventory compliance status

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H400 - Very toxic to aquatic life

Legend
SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers	SCBA	Self-contained breathing apparatus

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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Revision Note Initial Release

This material safety data sheet complies with the requirements of UK REACH

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet