Safety Data Sheet

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

1.1 Product identifier

Product name: **BioSolv**

Other identification:

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

Solvent cleaner

1.3 Details of the supplier of the safety data sheet

SwanTek
Mintsfeet Road South, Kendal, LA9 6ND, UK
Tel: +44 (0)1539 722247 Email: service@swantek.com Web: www.swantek.com

1.4 Emergency telephone number

As per section 1.3

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Not classified as hazardous for supply

2.2 Label elements

Hazard pictograms: (none)
(none)
(none)
(none)

Signal word: (none)

Hazard statements: None

Precautionary statements: 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.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Other label elements: Wear suitable gloves and eye/face protection

2.3 Other hazards

No further information available.

Section 3: Composition / information on ingredients

3.1 Substances

3.2 Mixtures

Reaction mass of dimethyl adipate, dimethyl glutarate, dimethyl succinate: 99-100%
EC Number: 906-170-0

Methanol: < 0.2%
CAS Number: 67-56-1, EC Number: 200-659-6
H Phrases: H225, H331, H311, H301, H370
Symbols: GHS02, GHS06, GHS08

Section 4: First aid measures

4.1 Description of first aid measures

General: IF exposed or concerned: Get medical advice/attention. Call a poison centre or doctor/physician if you feel

unwell.

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Give 200-300ml (half pint) water to drink.

Skin: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

Eye: If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes and get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General: This material is not considered hazardous.

Inhalation:

Ingestion:

Skin:

Eye:

4.3 Indication of any immediate medical attention and special treatment needed

No further information available.

Section 5: Firefighting measures

5.1 Extinguishing media

In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media: high volume water jet.
Fire run off water should be contained and not allowed to enter the environment.

5.2 Special hazards arising from the substance or mixture

Material is combustible. Vapours may ignite.

5.3 Advice for firefighters

Wear full protective clothing including chemical protection suit. Wear breathing apparatus. Do not use water jet.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid Sparks. Extinguish naked flames. Take precautionary measures against static discharge. Prevent the spilled product coming into contact with sources of flame. Ensure adequate ventilation. Wear protective clothing.

6.2 Environmental precautions

Do not allow to enter public sewers and watercourses. If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities.

6.3 Methods and material for containment and cleaning up

Absorb spillage in earth or sand. Collect as much as possible in clean container for reuse or disposal. Seek expert advice for removal and disposal of all contaminated materials and wastes.

6.4 Reference to other sections

See sections 7 and 8 for further information.

Section 7: Handling and storage

7.1 Precautions for safe handling

Ensure adequate ventilation. Keep away from heat and sources of ignition. The usual precautions for handling chemicals should be observed. Wear eye/face protection.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from oxidisers, heat, flames or ignition sources. Keep container tightly closed.

7.3 Specific end use(s)

See section 1.

Section 8: Exposure controls / personal protection

8.1 Control parameters

DNEL (inhalational): 8.3 mg/m³
PNEC: 0.018 mg/L freshwater

PNEC: 0.0018 mg/L seawater
PNEC: 0.16 mg/kg freshwater
TWA: 260 (Methanol) mg/m³

8.2 Exposure controls

Chemical gloves, goggles and appropriate skin protection should be worn when handling.
Engineering controls should be provided to prevent the need for ventilation.
Appropriate respiratory protection should be worn for short periods if no extraction available.
In case of insufficient ventilation, wear suitable respiratory equipment.
Wear suitable protective clothing, eye/face protection and gloves.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Odour	Slight characteristic odour
Appearance	Clear colourless liquid
Boiling point	> 200°C
Vapour pressure	0.094 hPa at 25°C
Melting point	< -50°C
Water solubility	26-41 g/L
Relative density	1.0915 at 20°C
Flash point	99°C
Lower flammability limit	0.8% (in air)
Upper flammability limit	7-9% (in air)
Auto-ignition temperature	> 400°C
Log Pow	1.4
Viscosity	2.85 mPa.s at 20°C

9.2 Other information

No further information available.

Section 10: Stability and reactivity

10.1 Reactivity

Stable under normal temperature conditions and recommended use.

10.2 Chemical stability

Stable at normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Avoid contact with oxidising substances.

10.5 Incompatible materials

Incompatible with strong oxidizing substances, alkalis (strong bases), strong acids.

10.6 Hazardous decomposition products

Decomposition products may include carbon oxides.

Section 11: Toxicological information

11.1 Information on toxicological effects

LD50 (oral,rat): > 5000 mg/kg
LCLo (inhalation): > 11 mg/l/4h
LD50 (skin,rat): > 2000 mg/kg

Inhalation: Not hazardous. May cause irritation.
Contact with skin: May cause irritation.
Contact with eyes: May cause irritation.
Ingestion: Not classified as hazardous but the ingestion of significant quantities should be referred to a physician.
Carcinogenicity: No evidence of carcinogenic effects in humans.

Teratogenicity: No evidence of reproductive effects.
Mutagenicity: No evidence of mutagenic effects.

Section 12: Ecological information

12.1 Toxicity

LC50 (fish): 18-24 mg/L (96 hr)
EC50 (Daphnia magna): 112-150 mg/L (48 hr)
LC50 (algae): > 85 mg/L (72 hr)
Harmful to aquatic organisms

12.2 Persistence and degradability

Readily biodegradable

12.3 Bioaccumulative potential

Low bioaccumulation potential

12.4 Mobility in soil

Insoluble in water. This substance is involatile.

12.5 Results of PBT and vPvB assessment

Not a PBT according to REACH Annex XIII

12.6 Other adverse effects

No further information available.

Section 13: Disposal considerations

13.1 Waste treatment methods

Incineration by an approved method could be considered. This material and its container must be disposed of as hazardous waste.

Section 14: Transport information

General

Not hazardous according to current ADR regulations.

14.1 UN Number

14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packing group

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Section 15: Regulatory information

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

No further information available.

15.2 Chemical safety assessment

No further information available.

Section 16: Other information

Text of H phrases used elsewhere in this safety data sheet: H225: Highly flammable liquid and vapour. H301: Toxic if swallowed. H311: Toxic in contact with skin. H331: Toxic if inhaled. H370: Causes damage to organs.

The responsibility to ensure safe working conditions within the workplace remains with the user. The information on this SDS is given as a guide to the precautions required to maintain a safe work environment. This product is for professional use only. Not for sale or resale to the general public. Use in applications other than those described above may give rise to risks not covered by the information on this SDS. The physical and chemical properties on this SDS are typical properties and are not a specification. Please report any errors.