	MATERIAL SAFETY DATA SHEET	MSDS No.	M-01
BloomchemAG	Sodium Methyl Allyl Sulfonate	Effective From	13/05/2021

1.1 Product identifier:

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

Identification on the label/Trade name:	Sodium Methyl Allyl Sulfonate
Additional identification:	Not available
Identification of the product:	CAS#1561-92-8; EC#216-341-5
Index Number:	Not available
REACH registration No.:	01-2119972934-23-XXXX

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

available

1.2.2 Uses advised against:

available

1.3 Details of the supplier of the safety data sheet:

Company	Bloomchemag BV
Address	Sint - Antoniusstraat 16 b1, B-2400 Mol, Belgium.
Phone No.	+91 72919 74484
Email	info@bloomchemag.com

Emergency telephone Number:

+9172919 74050

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The substance is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
N/A	N/A

For full text of H- phrases: see section 2.2.

2.2 label elements:

Hazard Pictograms:	No hazard pictogram is used.
Signal Word(S):	No signal word is used.
Hazard Statement:	Not applicable.
Precautionary statement:	Not applicable.

2.3 Other hazards:

Not available

Section 3 Composition/information on ingredients

Substance/Mixture: Substance

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Sodium Methyl Allyl Sulfonate	01-2119972934-23-XXXX	1561-92-8	216-341-5	99.5%

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

4.1.2 In case of skin contact:

Wash off with soap and plenty of water. Consult a physician.

4.1.3 In case of eyes contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

4.1.4 In case of ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The product is not classified as harmful to human health effect.

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

If skin irritation or rash occurs, get medicaladvice/attention.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides, Sodium oxides.

5.3 Advice for firefighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Provide adequate ventilation. Avoid breathing vapors, mist or gas. Evacuate personnel to safe areas. Refer to section 8 of SDS for personal protection details.

6.1.2 For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

6.2 Environmental Precautions: Do not allow material to be released to the environment without proper governmental permits.

6.3 Methods for Containment and Cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.1.2 Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place.
Keep in a dry place.

7.3 Specific end use(s): Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not available.

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Workers - Hazard via inhalation route- Systemic effects- Long term exposure- DNEL (Derived No Effect Level): 35 mg/m³
General Population - Hazard via oral route- Systemic effects- Long term exposure- DNEL (Derived No Effect Level): 5 mg/kg bw/day
Hazard for aquatic organisms-PNEC aqua (freshwater): 0.1 mg/L
Hazard for aquatic organisms- PNEC aqua (marine water): 0.01 mg/L
Hazard for aquatic organisms- PNEC STP: 296 mg/L
Hazard for aquatic organisms- PNEC sediment (freshwater): 0.392 mg/kg sediment dw
Hazard for aquatic organisms- PNEC sediment (marine water): 0.039 mg/kg sediment dw
Hazard for terrestrial organisms- PNEC soil: 0.02 mg/kg soil dw

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand protection: Handle with gloves.

Body protection: Complete suit protecting against chemicals.

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment.

According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Flaky crystals
Colour:	White transparent
Odour:	Odorless
Odour threshold:	Not available
pH:	ca. 6.6(20 °C)
Melting point/range (°C):	270°C--280°C
Boiling point/range (°C):	Not available
Flash point (°C):	Not available
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not highly flammable' by ignition
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (25°C):	< 1.6 E-8 Pa
Vapour density:	Not available
Density:	1.59 g/cm³ (20 °C)
Bulk density (kg/m^3):	Not available
Water solubility (g/l):	ca. 523 g/L(20 °C)
n-Octanol/Water (log Po/w):	log Pow=ca. 3.74 (20 °C)
Auto-ignition temperature:	> 140 °C
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Non explosive
Oxidising properties:	No oxidising properties
Molecular Formula:	$C_4H_7NaO_3S$
Molecular Weight:	158.15

9.2. Other information:

Fat solubility(solvent– oil to be specified) etc:	Not available
Surface tension:	73.3 mN/m(20 °C)
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials.
10.5 Incompatible materials:	Strong oxidizing agents.
10.6 Hazardous decomposition products:	Carbon oxides, sulphur oxides, sodium oxides.

Section 11 Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

LD50(Oral, Rat): Not available

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): Not available

Skin corrosion/Irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

Section 12 Ecological information

12.1 Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	> 100 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	> 1 000 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	> 1 000 mg/L	72h	Algae	OECD 201	N/A	N/A

12.2 Persistence and degradability: Under test conditions no biodegradation observed.

12.3 Bioaccumulative potential: Not available.

12.4 Mobility in soil: log Koc< 1.26(35 °C)

12.5 Results of PBT&vPvB assessment: The substance is not PBT / vPvB.

12.6 Other adverse effects: Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods: The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to	Not regulated	Not regulated	Not regulated

Annex II of Marpol and the IBC Code			

Section 15 Regulation information

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

Relevant information regarding authorization: Not applicable.

Relevant information regarding restriction: Not applicable.

Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations: Not applicable

15.2 Chemical Safety Assessment has been carried out? YES [ ] NO [X]

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2015/830

16.2 Training instructions:

Not applicable.

16.3 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.4 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.