SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1. Product Identifier:

Plantsmith Orchid Feed

2. Relevant uses of the substance or mixture and uses advised against:

Supplied for use as a plant feed

3. Details of the supplier of the safety data sheet:

Jigsaw Marketing & Media Ltd
Richard Jackson Garden Unit G.01
Power Road Studios
114 Power Road
London
W4 5PY

Contact: The Safety Officer
Phone number: +44 (0) 203 198 2355
Email: chris@richardjacksonsgarden.co.uk

4. Emergency phone number

Phone number: +44 (0) 7980092863

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFICATION according to Regulation (EC) 1272/2008 Classification, Labelling and Packaging
Not classified.

2.2 Label Elements

There are no statutory label elements.

Pictogram: None

Signal word: None

Hazard statements: None

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

2.3 Other Hazards

Mixture not classed as PBT or vPvB

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components

Name:	CAS/EC No.	Index No./ REACh Registration No.	Pictogram(s) according to 1272/2008:	H-phrase(s) according to 1272/2008:	Concentrations [% w/w]
Sodium molybdate	10102-40-6/ 231-551-7	-/ 01-2119489495-21	None	None Substance with Workplace Exposure Limit	< 0.005

4.0. First Aid Measures

4.1 Description of first aid measures

4.1.1 Inhalation
Remove from source of exposure to fresh air; seek medical attention if symptoms persist or develop.

4.1.2 Skin & Eye exposure
Drench immediately with water. Remove any contaminated clothing and launder before re-use. Seek medical attention if symptoms persist or develop.
Eyes: Rinse cautiously for several minutes, remove contact lenses, if present and easy to do, rinse with clean water for 15 minutes. Seek medical attention if symptoms persist or develop.

4.1.3 Ingestion
Do not induce vomiting. Wash out mouth with water and give water to drink. Obtain medical attention if symptoms persist or develop.

4.2 Most important symptoms and effects, both acute and delayed
None reported.

4.3 Indication of any immediate medical attention and special treatment needed.
Information not available

5. Fire-Fighting measures

5.1 Extinguishing media
Use Foam, carbon dioxide, dry powder, sand. The mixture is not classified as flammable as such extinguishing media should be chosen as appropriate for surrounding materials.

5.2 Special Hazards arising from the substance or mixture
Possible irritant fumes arising from combustion

5.3 Advice for fire-fighters
Cool down containers/equipment exposed to heat with a water spray. Contain spread of extinguishing fluids (these fluids may be hazardous for the environment). Wear complete protective clothing and self-contained breathing apparatus

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

The following precautions are considered to be good practice when using any chemicals irrespective of their classification unless otherwise specified.

Use personal protective equipment
-appropriate coveralls and gloves
-eye/face protection
-appropriate respirator

Avoid contact with skin and eyes

6.2 Environmental Precautions
Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer (including via contaminated soil & vegetation) contact local water authority and inform the Environment Agency

6.3 Methods and material for containment and cleaning up
Use soil, sand or other absorbent material. Contact specialist waste disposal contractor.

6.4 Reference to other sections
No reference necessary

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7. Handling and storage

7.1 Precaution for safe handling
Avoid contact with skin and eyes. Wash Hands thoroughly after handling
Do not eat, drink or smoke when using this product. remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities
Store in a cool dry atmosphere, in original labelled containers. Refer to manufacturer for maximum safe stacking height. Keep away from heat sources, combustible materials.

7.3 Specific end use(s)
Supplied for use as a plant feed.

8.Exposure controls/personal protection

8.1 Control Parameters
Workplace exposure Limits as defined by UK HSE in document EH40/2005 4th Edition, 2020 where available:

Substance	**CAS number**	**Workplace Exposure Limit**				**Comments**
		Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15 minute reference period)		The Carc, Sen and Sk notations are not exhaustive. Notations have been applied to the substances identified in IOELV Directives
		ppm	$mg.m^{-3}$	ppm	$mg.m^{-3}$	
Molybdenum compounds (as Mo) soluble compounds insoluble compounds	-	 - -	 5 10	 - -	 10 20	-

Sodium molybdate:
DNEL/DMEL (Workers)
Long-term - systemic effects, inhalation 23.97 mg/m³
DNEL/DMEL (General population)
Long-term - systemic effects,oral 7.3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation 7.15 mg/m³
PNEC (Water)
PNEC aqua (freshwater) 27.25 mg/l
PNEC aqua (marine water) 4.08 mg/l
PNEC (Sediment)
PNEC sediment (freshwater) 48500 mg/kg dwt
PNEC sediment (marine water) 4250 mg/kg dwt
PNEC (Soil)
PNEC soil 20.39 mg/kg dwt
PNEC (STP)
PNEC sewage treatment plant 46.57 mg/l
Source: SDS, Growth Technology, 14/01/2021

8.2 Exposure controls

Engineering measures:	Not applicable.
Respiratory protection:	Respiratory protection not required.
Hand protection:	Not applicable.
Eye protection:	Safety glasses.
Skin protection:	Not applicable.
Environmental:	No special requirement.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Physical state : Liquid
Appearance : Clear to slightly hazy liquid.
Colour : dark brown.
Odour : faint specific odour.
Odour threshold : Not applicable as product has a barely detectable odour
pH : 3 – 4
Relative evaporation rate (butylacetate=1) : Not determined
Melting point : Not applicable (aqueous liquid)
Freezing point : ≈ 0 °C
Boiling point : ≈ 100 °C
Flash point : Not applicable (aqueous non combustible product)
Auto-ignition temperature : Not applicable (aqueous non combustible product)
Decomposition temperature : Not determined for product as chemical composition does not present hazard.
Flammability (solid, gas) : Not applicable (aqueous liquid)
Vapour pressure : Not determined, product is non volatile and therefore not expected to pose a hazard.
Vapour pressure at 50 °C : Not determined, product is non volatile and therefore not expected to pose a hazard.
Relative vapour density at 20 °C : Not determined, product is non volatile at 20°C and therefore not expected to pose a hazard.
Relative density : 1.07
Density : 1070 kg/m³
Solubility : Miscible (in all proportions) with : water.

Partition coefficient n-octanol/water (Log Pow) : Not determined as product is inorganic
Partition coefficient n-octanol/water (Log Kow) : Not determined as product is inorganic
Viscosity, kinematic : No data available
Viscosity, dynamic : Not determined as product has low viscosity and this property is not considered relevant for usage or hazard potential of product
Explosive properties : Not expected to be a fire/explosion hazard under normal conditions of use.
Oxidising properties : Does not meet the criteria for classification as oxidising.
Explosive limits : Not determined as not considered to pose an explosion hazard under normal conditions of usage or storage Not applicable (aqueous non combustible product)

9.2 Other Information
No other relevant information available

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10. Stability and reactivity

10.1 Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical Stability
Stable under normal conditions of use

10.3 Possibility of hazardous reactions
No potentially hazardous reactions known.

10.4 Conditions to avoid
Heat and combustible materials.

10.5 Incompatible materials
Strong bases

10.6 Hazardous decomposition products
No hazardous decomposition products known at room temperature. Combustion products may include the following: carbon oxides (CO, CO_2) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO_2 etc.).

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11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity:	Product is not classified for acute toxicity
Skin corrosion/irritation:	Product is not classified as a skin corrosive/irritant.
Serious eye damage/irritation:	Product is not classified as causing serious eye damage or irritation.
Respiratory or skin sensitisation:	Product is not classified for respiratory or skin sensitisation.
Germ cell mutagenicity:	No information specified.
Carcinogenicity:	No information specified.
Reproductive toxicity:	No information specified.
STOT-single exposure:	Product is not classified as having Specific Target Organ Toxicity for single exposure
STOT-repeated exposure:	No information specified.
Aspiration hazard:	No information specified.

Sodium molybdate:
LD50 dermal rat > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

LD50 dermal > 2000 mg/kg bodyweight
LC50 Inhalation - Rat > 1.93 mg/l/4h
NOAEC (inhalation, rat, dust/mist/fume, 90 days) > 0.1 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
Source: SDS, Growth Technology, 14/01/2021

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12. Ecological Information

12.1 Toxicity
Mixture not classified as harmful to aquatic life

Sodium molybdate
LC50 fish 1 ≈ 609.1 mg/l
EC50 Daphnia 1 ≈ 131 ml/l
EC50 72h algae (1) ≈ 333.1 mg/l
NOEC chronic fish > 121 mg/l 84d
NOEC chronic crustacea ≈ 79 mg/l 30d

Source: SDS, Growth Technology, 14/01/2021

2.2 Persistence and degradability
Expected to be biodegradable.

Sodium molybdate
Persistence and degradability Readily biodegradable.

Source: SDS, Growth Technology, 14/01/2021

12.3 Bioaccumulative potential
Partition coefficient n-octanol/water (Log Pow) Not determined as product is inorganic
Partition coefficient n-octanol/water (Log Kow) Not determined as product is inorganic
Bioaccumulative potential Bioaccumulation is not expected to occur.

Sodium molybdate
Bioaccumulative potential Low bioaccumulation potential.

Source: SDS, Growth Technology, 14/01/2021

12.4 Mobility in soil
Ecology - soil Expected to be highly mobile in soil.

Sodium molybdate
Ecology - soil No data available.

Source: SDS, Growth Technology, 14/01/2021

12.5 Results of PBT and vPvB
This product does not contain any substances classified as PBT or vPvB.

12.6 Other adverse effects
No additional information available.

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13. Disposal considerations

13.1 Waste Treatment Methods
Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Prevent entry to sewers and public waters.
Product/Packaging disposal recommendations : a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
Ecology - waste materials : Avoid release to the environment.

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14. Transport Information

14.1 UN number: Product is unclassified for transport.
14.2 UN proper shipping name: Product is unclassified for transport.
14.3 Transport hazard: Product is unclassified for transport.
14.4 Packing group: Product is unclassified for transport.
14.5 Environmental hazards: Product is unclassified for transport.
14.6 Special precautions for user: Not specified
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code
Applicable for Maritime bulk transport only. Check with carrier.

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15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.
This substance is classified and labelled in accordance with Regulation (EC) No 1272/2008 and the EC Fertiliser Regulations 2003, Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical Safety Assessment
A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.
For the following substance of this mixture a chemical safety assessment has been carried out:
Sodium molybdate

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16. Other Information

Abbreviations:

DNEL	Derived-No Effect Level	
EC50	Median effective concentration	
DMEL	Derived Minimal Effect levelLC50	Median lethal concentration
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
PNEC	Predicted No-Effect Concentration	
PBT	Persistent, Bioaccumulative, Toxic	
vPvB	very Persistent, very Bioaccumulative	

SDS information:
This Safety data sheet is compiled using data submitted for raw materials and practical experience.
This Safety Data Sheet is prepared in compliance with Regulation 1272/2008 and Annex II of the REACH Regulation 453/2010.

The information given herein is, to the best of our knowledge, correct and is presented in good faith but no warranty, expressed or implied is given.

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 of 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 material or in any process, unless specified in the text.

PRINTED: 19 JANUARY 2021

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1. **Product Identifier:**

Plantsmith Orchid Mist

2. **Relevant uses of the substance or mixture and uses advised against:**

Fertiliser

3. **Details of the supplier of the safety data sheet:**

Jigsaw Marketing & Media Ltd
Richard Jackson Garden Unit G.01
Power Road Studios
114 Power Road
London
W4 5PY

Contact: The Safety Officer
Phone number: +44 (0) 203 198 2355
Email: chris@richardjacksonsgarden.co.uk

4. **Emergency phone number**

Phone number: +44 (0) 7980092863

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFICATION according to Regulation (EC) 1272/2008 Classification, Labelling and Packaging
Not classified.

2.2 Label Elements

Hazard pictograms (CLP): None
Extra phrases: Non hazardous mixture.

2.3 Other Hazards

Other hazards not contributing to the classification: None under normal conditions. Bioaccumulation is not expected to occur.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2 Mixtures

Name:	**Product identifier**	**%**	**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Sodium molybdate	(CAS-No.) 10102-40-6 (EC-No.) 231-551-7 (REACH-no) 01-2119489495-21	<0.005	Not classified

Comments: Contains no other components which will influence the classification of the product.

4.0. First Aid Measures

4.1 Description of first aid measures

First-aid measures general: If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact: Rinse skin with water/shower.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects: Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation: Coughing, sneezes.

Symptoms/effects after skin contact: None under normal conditions.

Symptoms/effects after eye contact: May cause slight irritation.

Symptoms/effects after ingestion: Ingestion may cause nausea and vomiting.

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

Treat symptomatically.

5. Fire-Fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing agent suitable for surrounding fire. Dry chemical, CO2, or water spray or regular foam.

5.2 Special Hazards arising from the substance or mixture

Fire hazard: Not flammable.

Explosion hazard: No direct explosion hazard.

Reactivity in case of fire: None to our knowledge.

Hazardous decomposition products in case of fire: Combustion products may include the following: carbon oxides (CO, CO2) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO_2 etc.).

5.3 Advice for fire-fighters

Firefighting instructions: Do not allow run-off from fire-fighting to enter drains or water courses.

Protection during firefighting: Self-contained breathing apparatus.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures: Keep out of reach of children. Do not handle until all safety precautions have been read and understood.

6.1.1. For non-emergency personnel
Protective equipment: Concerning personal protective equipment to use, see section 8.
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment: Concerning personal protective equipment to use, see section 8.
Emergency procedures: Evacuate unnecessary personnel.

6.2 Environmental Precautions
Avoid release to the environment. Prevent entry to sewers and public waters.

6.3 Methods and material for containment and cleaning up
For containment: Stop leak without risks if possible. Cover spill with non combustible material, e.g.: sand, earth, vermiculite. For a large spillage, contain the spillage by bunding.
Methods for cleaning up: Take up liquid spill into absorbent material. Shovel or sweep up and put in a closed container for disposal. Clean contaminated surfaces with an excess of water.

6.4 Reference to other sections
SECTION 8. SECTION 11. SECTION 13.

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7. Handling and storage

7.1 Precaution for safe handling
Additional hazards when processed: Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling: Not required for normal conditions of use.
Hygiene measures: Always wash hands after handling the product. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities
Technical measures: Keep out of reach of children.
Storage conditions: Keep only in original container. Keep cool. Protect from sunlight. Protect from frost.
Incompatible products: Strong bases.
Storage temperature: 6 – 30 °C

7.3 Specific end use(s)
Fertilisers.

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8. Exposure controls/personal protection

8.1 Control Parameters
Sodium molybdate (10102-40-6)
United Kingdom - Occupational Exposure Limits
Local name: Molybdenum compounds (as Mo) - soluble compounds
WEL TWA (mg/m³): 5 mg/m³
WEL STEL (mg/m³): 10 mg/m³
Regulatory reference: EH40/2005 (Fourth Edition, 2020). HSE.

Sodium molybdate (10102-40-6)
DNEL/DMEL (Workers)
Long-term - systemic effects, inhalation: 23.97 mg/m³
DNEL/DMEL (General population)
Long-term - systemic effects,oral: 7.3 mg/kg bodyweight/day

Long-term - systemic effects, inhalation: 7.15 mg/m³
PNEC (Water)
PNEC aqua (freshwater): 27.25 mg/l
PNEC aqua (marine water): 4.08 mg/l
PNEC (Sediment)
PNEC sediment (freshwater): 48500 mg/kg dwt
PNEC sediment (marine water): 4250 mg/kg dwt
PNEC (Soil)
PNEC soil: 20.39 mg/kg dwt
PNEC (STP)
PNEC sewage treatment plant: 46.57 mg/l

8.2 Exposure controls
Appropriate engineering controls: Not required for normal conditions of use.
Personal protective equipment: No special precautions are necessary if the product is used correctly.
Materials for protective clothing: Not required for normal conditions of use.
Hand protection: Not required for normal conditions of use.
Eye protection: No special precautions are necessary if the product is used correctly.
Skin and body protection: Not required for normal conditions of use.
Respiratory protection: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
Thermal hazard protection: Not required for normal conditions of use.
Environmental exposure controls: Avoid release to the environment.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Physical state : Liquid
Appearance : Clear to slightly hazy liquid.
Colour : brown.
Odour : Lavender
Odour threshold : Not applicable
pH : 5 – 6
Relative evaporation rate (butylacetate=1) : Not determined
Melting point : Not applicable (aqueous liquid)
Freezing point : ≈ 0 °C
Boiling point : ≈ 100 °C
Flash point : Not applicable (aqueous non combustible product)
Auto-ignition temperature : Not applicable (aqueous non combustible product)
Decomposition temperature : Not determined for product as chemical composition does not present hazard.
Flammability (solid, gas) : Not applicable (aqueous liquid)
Vapour pressure : Not determined, product is non volatile and therefore not expected to pose a hazard.
Vapour pressure at 50 °C : Not determined, product is non volatile and therefore not expected to pose a hazard.
Relative vapour density at 20 °C : Not determined, product is non volatile at 20°C and therefore not expected to pose a hazard.
Relative density : 1
Density : 1000 kg/m³
Solubility : soluble in water.
Partition coefficient n-octanol/water (Log Pow) : Not determined as product is inorganic
Partition coefficient n-octanol/water (Log Kow) : Not determined as product is inorganic
Viscosity, kinematic : No data available

Viscosity, dynamic : Not determined as product has low viscosity and this property is not considered relevant for usage or hazard potential of product
Explosive properties : Not expected to be a fire/explosion hazard under normal conditions of use.
Oxidising properties : Does not meet the criteria for classification as oxidising.
Explosive limits : Not determined as not considered to pose an explosion hazard under normal conditions of usage or storage Not applicable (aqueous non combustible product)

9.2 Other Information
No other relevant information available

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10. STABILITY AND REACTIVITY

10.1 Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical Stability
Stable under normal conditions of use.

10.3 Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid
Keep out of direct sunlight. Protect from freezing.

10.5 Incompatible materials
Strong bases.

10.6 Hazardous decomposition products
No hazardous decomposition products known at room temperature. Combustion products may include the following: carbon oxides (CO, CO2) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO_2 etc.).

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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity (oral): Not classified
Acute toxicity (dermal): Not classified
Acute toxicity (inhalation): Not classified

Sodium molybdate (10102-40-6)
LD50 dermal rat: > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal: > 2000 mg/kg bodyweight
LC50 Inhalation - Rat: > 1.93 mg/l/4h

Skin corrosion/irritation: Not classified, pH: 5 – 6
Serious eye damage/irritation: Not classified, pH: 5 – 6
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT-single exposure: Not classified
STOT-repeated exposure: Not classified

Sodium molybdate (10102-40-6)
NOAEC (inhalation, rat, dust/mist/fume, 90 days): > 0.1 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
Aspiration hazard: Not classified.

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12. Ecological Information

12.1 Toxicity
Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute): Not classified
Hazardous to the aquatic environment, long-term (chronic): Not classified

Sodium molybdate (10102-40-6)
LC50 fish 1 ≈ 609.1 mg/l
EC50 Daphnia 1 ≈ 131 ml/l
EC50 72h algae (1) ≈ 333.1 mg/l
NOEC chronic fish > 121 mg/l 84d
NOEC chronic crustacea ≈ 79 mg/l 30d

2.2 Persistence and degradability
Expected to be biodegradable.

Sodium molybdate (10102-40-6)
Persistence and degradability: Readily biodegradable:

12.3 Bioaccumulative potential
Partition coefficient n-octanol/water (Log Pow) Not determined as product is inorganic
Partition coefficient n-octanol/water (Log Kow) Not determined as product is inorganic
Bioaccumulative potential Bioaccumulation is not expected to occur.

Sodium molybdate (10102-40-6)
Bioaccumulative potential: Low bioaccumulation potential.

12.4 Mobility in soil
Expected to be highly mobile in soil.

Sodium molybdate (10102-40-6)
Ecology - soil: No data available.

12.5 Results of PBT and vPvB
Bioaccumulation is not expected to occur.

12.6 Other adverse effects
No additional information available.

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13. Disposal considerations

13.1 Waste Treatment Methods
Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Prevent entry to sewers and public waters.
Product/Packaging disposal recommendations : a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Ecology - waste materials : Avoid release to the environment.

14. TRANSPORT INFORMATION

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

No supplementary information available.

14.6. Special precautions for user
Overland transport: Not applicable
Transport by sea: Not applicable
Air transport: Not applicable
Inland waterway transport: Not applicable
Rail transport: Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.
15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

15.1.2. National regulations
No additional information available.

15.2 Chemical Safety Assessment
A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.
For the following substances of this mixture a chemical safety assessment has been carried out.
Sodium molybdate.

16. Other Information

Abbreviations:

SDS: Safety Data Sheet
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
DNEL: Derived-No Effect Level
PNEC: Predicted No-Effect Concentration
CAS-No.: Chemical Abstract Service number
EC-No.: European Community number
EN: European Standard
OEL: Occupational Exposure Limit
ATE: Acute Toxicity Estimate
CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50: Median effective concentration
DMEL: Derived Minimal Effect level
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods
LC50: Median lethal concentration
LD50: Median lethal dose
LOAEL: Lowest Observed Adverse Effect Level
NOAEC: No-Observed Adverse Effect Concentration
NOAEL: No-Observed Adverse Effect Level
NOEC: No-Observed Effect Concentration
PBT: Persistent Bioaccumulative Toxic
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB: Very Persistent and Very Bioaccumulative
IOELV: Indicative Occupational Exposure Limit Value

SDS information:

This Safety data sheet is compiled using data submitted for raw materials and practical experience.
This Safety Data Sheet is prepared in compliance with Regulation 1272/2008 and Annex II of the REACH Regulation 453/2010.
The information given herein is, to the best of our knowledge, correct and is presented in good faith but no warranty, expressed or implied is given.

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Printed: 14 May 2024