

# SAFETY DATA SHEET



## Microspersion EZ-2

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

Date of issue: 04 Nov 2024  
Date of First Issue: 15 Jul 2019  
Version: V2.1

### SECTION 1: IDENTIFICATION

**Product identifier**

Product name Microspersion EZ-2

**Other means of identification**

Product code MCS-EZ-2

Product type Mixture

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

Identified Use(s) Wax dispersant

Uses advised against Anything other than the above.

**Details of the supplier of the safety data sheet**

Supplier Micro Powders, Inc.  
580 White Plains Road  
Tarrytown, NY 10591  
9147934058  
[info@micropowders.com](mailto:info@micropowders.com)

Telephone

E-mail (competent person)

**Emergency telephone number**

Emergency Phone No. 800-424-9300 CHEMTREC

Languages spoken English

### SECTION 2: HAZARD(S) IDENTIFICATION

**Classification of the substance or mixture in accordance with paragraph (d) of 29 CFR 1910.1200**

Physical hazards Not classified

Health hazards Acute oral toxicity, Category 4  
Skin sensitizer, Sub-category 1B  
Eye Damage, Category 1

Environmental hazards Aquatic Chronic, Category 3

**Label elements**

Hazard Pictogram(s)



Signal Word(s)

DANGER

Hazard Statement(s)

Harmful if swallowed.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wear protective gloves/protective clothing and eye/face protection.  
P310: Immediately call a POISON CENTER/doctor.  
IF ON SKIN: Wash with plenty of water/soap.  
If skin irritation occurs: Get medical advice/attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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### Other hazards

None assigned

### Percent of the mixture consists of ingredient(s) of unknown acute toxicity:

0% of the mixture consists of ingredients of unknown acute inhaled toxicity.  
0% of the mixture consists of ingredients of unknown acute oral toxicity.  
0% of the mixture consists of ingredients of unknown acute dermal toxicity.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Substances

Not applicable

### Mixtures Substances in preparations / mixtures

Classification: OSHA HCS (29 CFR 1910.1200)

Chemical identity of the substance	%W/W	CAS No.	EC No.	Hazard classification
2,4,7,9-Tetramethyldec-5-yne-4,7-diol, ethoxylated	40 - 60	9014-85-1	500-022-5	Skin Sens. 1B; H317 Eye Dam. 1; H318 Aquatic Chronic 3; H412
Isotridecanol,ethoxylated	30 - 40	69011-36-5	931-138-8	Acute Tox. 4; H302 Eye Dam. 1; H318

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Self-protection of the first aider

Inhalation

Use personal protective equipment as required. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Contaminated clothing should be laundered before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Skin contact

IF ON SKIN: Wash with plenty of water/soap. Remove clothing and wash thoroughly before use. In case of skin reactions, consult a physician.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately. Obtain prompt consultation, preferably from an ophthalmologist.

Ingestion

IF SWALLOWED: Rinse mouth with water (only if the person is conscious). Make victim drink plenty of water. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

### Most important symptoms and effects, both acute and delayed

Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage.

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media

### Special hazards arising from the substance or mixture

As appropriate for surrounding fire. Extinguish with foam or dry chemical.

Do not use water jet. Direct water jet may spread the fire.

Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions. In case of fire: toxic fumes may be formed.

Hazardous combustion products: Carbon monoxide, Carbon dioxide

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### Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Eliminate all ignition sources if safe to do so. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. See section: 8.

### Methods and material for containment and cleaning up

Stop leak if safe to do so.. Ensure suitable personal protection during removal of spillages. Use non-sparking tools. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal. Treat the recovered material as prescribed in the section on waste disposal. Ventilate the area and wash spill site after material pick-up is complete.

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

Ensure adequate ventilation Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray. Use personal protection equipment. Do not eat, drink or smoke when using this product. Wash hands and face before breaks and after work and take a shower if necessary. Ensure that the equipment is adequately grounded. Usual measures for fire prevention. Heating above 65 °C in the presence of strong base can liberate flammable hydrocarbon fragments. Store in a well-ventilated place. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep in a cool, dry place.

### Conditions for safe storage, including any incompatibilities

Storage temperature  
Incompatible materials

Ambient temperatures.  
Avoid contact with: Strong oxidising agents, strong acids, strong bases, reactive metals, materials reactive with hydroxyl compounds, dehydrating agents.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

Not established

### Biological exposure indices

Not established.

### Appropriate engineering controls

Ensure adequate ventilation. Guarantee that the eye flushing systems and safety showers are located close to the working place.

### Individual protection measures, such as personal protective equipment (PPE)

Keep good industrial hygiene. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with skin, eyes or clothing. Wash hands before breaks and after work. Do not eat, drink or smoke at the work place.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

### Eye/face protection



Wear eye protection with side protection. Recommended: EN166. Eyewash bottles should be available.

### Skin protection



### Hand protection:

Wear suitable gloves tested to EN374.

Suitable material:  
Neoprene

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Nitrile rubber

Breakthrough times and swelling properties of the material must be taken into consideration. Check the tightness of the gloves before each re-use. Replace when worn.

### Body protection:

Wear suitable protective clothing. Wear work clothes with long sleeves.

Respiratory protection



In case of inadequate ventilation wear respiratory protection.  
Filtering device (full mask or mouthpiece) with filter: (EN 141)  
Use only respiratory protection equipment with CE-symbol including four digit test number.  
Avoid inhalation of vapours.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Liquid (translucent)
Odour	Sweet
Odour threshold	Not determined
pH	7.0 - 9.0
Melting Point/Freezing Point	Not determined
Initial boiling point and boiling range	Not determined
Flash Point	Not determined
Evaporation Rate	Not determined
Flammability (solid, gas)	Not flammable
Upper/lower flammability or explosive limits	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	Not determined
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	Not applicable - Mixture
Auto-ignition temperature	Not determined
Decomposition Temperature	Not determined
Viscosity	Not determined

### Other information

Specific Gravity	1
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## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Heating above 65 °C in the presence of strong base can liberate flammable hydrocarbon fragments.
<b>Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>Incompatible materials</b>	Avoid contact with: Strong oxidising agents, strong acids, strong bases, reactive metals, materials reactive with hydroxyl compounds, dehydrating agents.
<b>Hazardous decomposition products</b>	In case of fire: toxic fumes may be formed. Hazardous combustion products: Carbon monoxide, Carbon dioxide

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects Acute toxicity - Ingestion

Mixture: Acute Tox. 4; H302: Harmful if swallowed.

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	Isotridecanol,ethoxylated	Acute Toxicity Estimate Mixture Calculation: LD50: 300-2000 mg/kg bw Acute Tox. 4; H302: Harmful if swallowed.
<b>Acute toxicity - Skin Contact</b>		Mixture: Based upon the available data, the classification criteria are not met.
<b>Acute toxicity - Inhalation</b>		Mixture: Based upon the available data, the classification criteria are not met.
		Acute Toxicity Estimate Mixture Calculation: LC50 >20 mg/l
<b>Skin corrosion/irritation</b>		Mixture: Based upon the available data, the classification criteria are not met.
<b>Serious eye damage/irritation</b>	2,4,7,9-Tetramethyldec-5-yne-4,7-diol, ethoxylated	Mixture: Eye Dam. 1: H318: Causes serious eye damage.
		Eye Dam. 1: H318: Causes serious eye damage.
<b>Respiratory or skin sensitization</b>	2,4,7,9-Tetramethyldec-5-yne-4,7-diol, ethoxylated	Result: Corrosive to eyes. (New Zealand white rabbit)
		Mixture: Skin Sens. 1B; H317: May cause an allergic skin reaction.
		Skin Sens. 1B; H317: May cause an allergic skin reaction.
		Result: Positive – sensitising (Guinea pig;OECD 429) (LLNA)
<b>Germ cell mutagenicity</b>		Mixture: Based upon the available data, the classification criteria are not met.
<b>Carcinogenicity</b>		Mixture: Based upon the available data, the classification criteria are not met.
<b>Reproductive toxicity</b>		Mixture: Based upon the available data, the classification criteria are not met.
<b>STOT - single exposure</b>		Mixture: Based upon the available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>		Mixture: Based upon the available data, the classification criteria are not met.
<b>Aspiration hazard</b>		Mixture: Based upon the available data, the classification criteria are not met.
<b>Information on likely routes of exposure</b>		
Inhalation		Possible – accidental exposure
Ingestion		Possible – accidental exposure
Skin Contact		Possible – accidental exposure
Eye Contact		Possible – accidental exposure
<b>Early onset symptoms related to exposure</b>		Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage.
<b>Delayed health effects from exposure</b>		None Known
<b>Exposure levels and health effects</b>		See section: 8
<b>Interactive effects</b>		None Known
<b>Other information</b>		
OSHA Designated Carcinogen		All chemicals are not listed
NIOSH Occupational Carcinogen List		All chemicals are not listed
NTP Report on Carcinogens		All chemicals are not listed
IARC Monographs		All chemicals are not listed

## SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	2,4,7,9-Tetramethyldec-5-yne-4,7-diol, ethoxylated	Mixture: Aquatic Chronic 3; H412: Harmful to aquatic life with long lasting effects.
		Aquatic Chronic 3; H412: Harmful to aquatic life with long lasting effects.
<b>Persistence and degradability</b>	2,4,7,9-Tetramethyldec-5-yne-4,7-diol, ethoxylated	LC50 (96h): 36 mg/L (OECD TG 203)
		No data for the mixture as a whole..
	Isotridecanol,ethoxylated	Inherently Biodegradable
		Biodegradability(%): <10 (28d) / 25.4 (57d)
<b>Bioaccumulative potential</b>	2,4,7,9-Tetramethyldec-5-yne-4,7-diol, ethoxylated	No information available.
		No data for the mixture as a whole.
	Isotridecanol,ethoxylated	Does not bioaccumulate
		log Kow <3
		BCF: 21.09 - 111.7 L/kg wet-wt (EpiSuite v4.11, BCFBAF v3.01)
<b>Mobility in soil</b>	2,4,7,9-Tetramethyldec-5-yne-4,7-diol, ethoxylated	No information available.
		No data for the mixture as a whole.
		Mobile
		logKoc: 0.8882 - 1.8535

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Other adverse effects      Isotridecanol,ethoxylated      No information available.  
None Known.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Disposal should be in accordance with local, state or national legislation. Non-contaminated packages may be recycled. The waste code has to be identified in agreement with the disposal company or the competent authority.

### SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	Road/Rail (ADR/RID)	Sea transport (IMDG)	Air (ICAO/IATA)
UN number	None assigned	None assigned	None assigned
UN proper shipping name	None assigned	None assigned	None assigned
Transport hazard class(es)	None assigned	None assigned	None assigned
Packing group	None assigned	None assigned	None assigned
Environmental hazards	Not classified	Not classified as a Marine Pollutant.	Not classified
Special precautions for user	See section: 2		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable		
Additional Information	None		

### SECTION 15: REGULATORY INFORMATION

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

##### US Federal Regulations

TSCA Chemical Data Reporting (CDR) Rule	All chemicals are not listed
NIOSH Occupational Carcinogen List	All chemicals are not listed
EPCRA Section 313	All chemicals are not listed
CWA 307- Toxic	All chemicals are not listed
CERCLA - Hazardous Substances	All chemicals are not listed
CWA Section 311 List of Hazardous Substances	All chemicals are not listed

##### US State Regulations

Proposition 65 (California)	All chemicals are not listed
Massachusetts, New Jersey, Pennsylvania, Rhode Island- State Right to Know Lists	All chemicals are not listed
New York -State Right to Know Lists	All chemicals are not listed
Minnesota - State Right to Know Lists	All chemicals are not listed
Massachusetts – Toxic Use reduction act	All chemicals are not listed

##### Non-Regional

IARC Monographs	All chemicals are not listed
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### SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Section 9. Please review SDS with care – V2.1

Version	V2.1
Revision date	04 November 2024
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This Safety Data Sheet was prepared in accordance with US Regulation OSHA HCS (29 CFR 1910.1200)

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### References:

Existing ECHA registration for 2,4,7,9-Tetramethyldec-5-yne-4,7-diol, ethoxylated (CAS-Nr.: 9014-85-1)  
The classification and labelling inventory for Isotridecanol,ethoxylated (EC No.: 931-138-8)

Classification of the substance or mixture in accordance with paragraph (d) of 29 CFR 1910.1200	Classification Procedure
Acute oral toxicity, Category 4	Acute Toxicity Estimate (ATE) Calculation.
Skin sensitizer, Sub-category 1B	Threshold Calculation
Eye Damage, Category 1	Threshold Calculation
Aquatic Chronic, Category 3	Threshold Calculation

### LEGEND

ADR/RID	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road / RID: Regulations concerning the international railway transport of dangerous goods
BCF	Bioconcentration factor (BCF)
CAS	CAS: Chemical Abstracts Service
EC	EC: European Community
EU	European Union
IATA	IATA: International Air Transport Association
ICAO/IATA	ICAO: International Civil Aviation Organization / IATA: International Air Transport Association
IMDG	IMDG: International Maritime Dangerous Goods
LLNA	Mouse local lymph node assay (LLNA)
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
UN	United Nations
vPvB	very Persistent and very Bioaccumulative

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

### Disclaimers

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