

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012. Issue date: 4/28/2023 Revision date: 10/26/2023 Version: 1.1

SECTION 1: Identification		
1.1. Identification		
Product form Product name	: Mixture : ZipChip Metabolites Diluent	
1.2. Recommended use and restriction	ns on use	
Use of the substance/mixture Restrictions on use	Scientific research and developmentNot for use in diagnostic procedures.	
1.3. Supplier		
Manufacturer 908 Devices 645 Summer St Boston, MA, 02210 USA T 1 (857) 254 - 1500 <u>908devices.com</u>		
1.4. Emergency telephone number		
Emergency number	: 1 (844) 908 - 4357	
SECTION 2: Hazard(s) identification		
GHS US classification	Inixture	
Flam. Liq. 3 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalation:vapour) Eye Irrit. 2A Repr. 1B STOT SE 1 STOT SE 3	Flammable liquid and vapor Toxic if swallowed Toxic in contact with skin Toxic if inhaled Causes serious eye irritation May damage the unborn child. Causes damage to organs (central nervous system, optic nerve) May cause drowsiness or dizziness	
2.2. GHS Label elements, including pr	recautionary statements	
GHS US labeling		
Hazard pictograms (GHS US) Signal word (GHS US)	: Danger	
Hazard statements (GHS US) Precautionary statements (GHS US)	 Flammable liquid and vapor Toxic if swallowed, in contact with skin or if inhaled Causes serious eye irritation May cause drowsiness or dizziness May damage the unborn child. Causes damage to organs (central nervous system, optic nerve) Obtain special instructions before use. 	
	Do not handle until all safety precautions have been read and understood.	
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Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If exposed: Call a poison center/doctor. If swallowed: Immediately call a poison center or doctor. Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. 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. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

1% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

1% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

1% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (vapors))

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Methanol	CAS-No.: 67-56-1	30 – 60

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation	 IF exposed or concerned: Call a POISON CENTER or doctor/physician. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

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First-aid measures after eye contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician. 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 SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician. Never give anything by mouth to an unconscious person.
4.2. Most important symptoms and effects (a	cute and delayed)
Symptoms/effects :	Causes damage to organs. May damage the unborn child.
Symptoms/effects after inhalation :	Toxic if inhaled. May cause irritation to the respiratory tract. May cause drowsiness or dizziness.
Symptoms/effects after skin contact	Toxic in contact with skin. May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	Toxic if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
4.3. Immediate medical attention and special	treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures			
5.1. Suitable (and unsuitable) extinguishing	media		
5 5	 Dry chemical powder. Alcohol resistant foam. Carbon dioxide (CO2). Do not use a solid water stream as it may scatter and spread fire. 		
5.2. Specific hazards arising from the chemical			
Fire hazard :	 Flammable liquid and vapor. Products of combustion may include, and are not limited to: oxides of carbon. Formaldehyde. May form flammable/explosive vapor-air mixture. Heavier than air, vapors may travel long distances along ground, ignite and flash back to source. 		
5.3. Special protective equipment and precau	utions for fire-fighters		
Firefighting instructions	: Move containers away from the fire area if this can be done without risk. Cool closed containers exposed to fire with water spray. Prevent runoff from entering water courses, sewers and basements.		
Protection during firefighting	 Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). 		

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
General measures :	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition.		
6.1.1. For non-emergency personnel			
No additional information available			
6.1.2. For emergency responders			
No additional information available			
6.2. Environmental precautions			
Prevent entry to sewers and public waters.			

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6.3. Methods and material for contain	ment and cleaning up
For containment	: Stop leak if safe to do so. Remove ignition sources. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Provide ventilation.
6.4. Reference to other sections	

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage)
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling	 Handle empty containers with care because residual vapors are flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe dust, fume, gas, mist, spray, vapors. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area.
Hygiene measures	: Take off immediately all contaminated clothing and wash it before reuse. Wash hands, forearms and face thoroughly after handling.
7.2. Conditions for safe storage, inclu	iding any incompatibilities
Technical measures Storage conditions	 Proper grounding procedures to avoid static electricity should be followed. Keep out of the reach of children. Keep container tightly closed. Do not store in unlabelled containers. Store in dry, well-ventilated area. Keep cool. Keep out of direct sunlight. Containers which are opened should be properly resealed and kept upright to prevent leakage. Protect from

physical damage. . Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters		
ZipChip Metabolites Diluent		
No additional information available		
Methanol (67-56-1)		
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	200 ppm	
ACGIH OEL STEL [ppm]	250 ppm	
ACGIH chemical category	category Skin - potential significant contribution to overall exposure by the cutaneous route	
USA - ACGIH - Biological Exposure Indices		
BEI (BLV) 15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift (background, nonspecific)		
USA - OSHA - Occupational Exposure Limits		
OSHA PEL (TWA) [1]	260 mg/m³	
200 ppm		
USA - IDLH - Occupational Exposure Limits		
IDLH [ppm] 6000 ppm		

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260 mg/m ³
200 ppm
325 mg/m ³
250 ppm
Potential for dermal absorption
Ensure good ventilation of the work station. Provide readily accessible eye wash stations and
safety showers. Avoid release to the environment.
protective equipment
n. Consult glove manufacturer's product information on material suitability and material thickness.
atic material recommended
atory equipment. Respirator selection must be based on known or anticipated exposure levels, the he selected respirator. SDSs cannot provide detailed and complete respiratory protection e done by a qualified person who has assessed the work environment.

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Ph	vsical and che	mical properties
	.,	

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Transparent.
Color	: No data available
Odor	: Alcohol-like
Odor threshold	: No data available
рН	: 7.2
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 65 °C (149 °F)
Flash point	: 25 °C (77 °F)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Flammable liquid and vapor.
Vapor pressure	: 129 hPa at 20°C (68°F)
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: Water: 100 %

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Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions. May form flammable/explosive vapor-air mixture.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Sparks. Flame. Incompatible materials. Sources of ignition. Direct sunlight.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases. Aluminum. Magnesium. This material may attack some forms of plastics, rubbers and coatings.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Formaldehyde. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects Acute toxicity (oral) Toxic if swallowed. Acute toxicity (dermal) Toxic in contact with skin. Acute toxicity (inhalation) Toxic if inhaled. **ZipChip Metabolites Diluent** ATE US (oral) 200 mg/kg body weight ATE US (dermal) 600 mg/kg body weight ATE US (vapors) 6 mg/l/4h Unknown acute toxicity (GHS US) 1% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 1% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 1% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (vapors)) Methanol (67-56-1) LD50 oral rat 1187 - 2769 mg/kg body weight Animal: rat

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Methanol (67-56-1)	
LD50 dermal rabbit	15840 mg/kg
LC50 inhalation rat	64000 ppm/4h
Skin corrosion/irritation :	Not classified
	pH: 7.2
Serious eye damage/irritation :	Causes serious eye irritation.
	pH: 7.2
·····/·····/	Not classified
Germ cell mutagenicity :	Not classified
e al en logen en l	Not classified
Reproductive toxicity :	May damage the unborn child.
Methanol (67-56-1)	
NOAEL (animal/male, F0/P)	< 1000 mg/kg body weight Animal: mouse, Animal sex: male
STOT-single exposure :	Causes damage to organs (central nervous system, optic nerve). May cause drowsiness or
	dizziness.
Methanol (67-56-1)	
STOT-single exposure	Causes damage to organs. May cause drowsiness or dizziness.
STOT-repeated exposure :	Not classified
Aspiration hazard :	Not classified
Viscosity, kinematic :	No data available
Symptoms/effects :	Causes damage to organs. May damage the unborn child.
	Toxic if inhaled. May cause irritation to the respiratory tract. May cause drowsiness or dizziness.
Symptoms/effects after skin contact :	Toxic in contact with skin. May cause skin irritation. Symptoms may include redness, edema,
	drying, defatting and cracking of the skin.
Symptoms/effects after eye contact :	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion :	Toxic if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information :	Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity		
Ecology - general : May cause long-term adverse effects in the aquatic environment.		
Methanol (67-56-1)		
C50 - Fish [1] 15400 mg/l Test organisms (species): Lepomis macrochirus		
_C50 - Fish [2] > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])		
EC50 96h - Algae [1]	≈ 22000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
NOEC (chronic)	208 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
12.2. Persistence and degradability		
ZipChip Metabolites Diluent		
Persistence and degradability	Not established.	

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12.3. Bioaccumulative potential		
ZipChip Metabolites Diluent		
Bioaccumulative potential	accumulative potential Not established.	
Methanol (67-56-1)		
BCF - Fish [1]	(10 dimensionless)	
Partition coefficient n-octanol/water	-0.77	
12.4. Mobility in soil		
No additional information available		
12.5. Other adverse effects		
Other information :	No other effects known.	
SECTION 13: Disposal considerations		
13.1. Disposal methods		
Product/Packaging disposal recommendations :	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. The generation of waste should be	

avoided or minimized wherever possible.

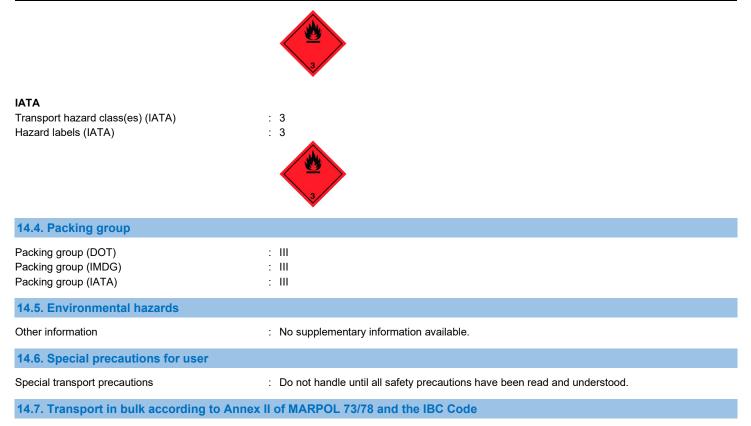
: Handle empty containers with care because residual vapors are flammable.

Additional information

SECTION 14: Transport information		
In accordance with DOT / IMDG / IATA		
14.1. UN number		
DOT NA No UN-No. (IMDG) UN-No. (IATA)	: UN1993 : UN1993 : UN1993	
14.2. UN proper shipping name		
Proper Shipping Name (DOT) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	: Flammable liquids, n.o.s. (Methanol) : FLAMMABLE LIQUID, N.O.S. (METHANOL) : Flammable liquid, n.o.s. (Methanol)	
14.3. Transport hazard class(es)		
DOT Transport hazard class(es) (DOT) Hazard labels (DOT)	: 3 : 3	
IMDG Transport hazard class(es) (IMDG) Hazard labels (IMDG)	: 3 : 3	

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Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2. International regulations

No additional information available

15.3. US State regulations

This product can expose you to Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Issue date	
Revision date	
Other information	
Prepared by	

- : 04/28/2023 : 10/26/2023
- : None.
- : None.
- : Nexreg Compliance Inc. www.Nexreg.com



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Full text of H-phrases	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation:vapour)	Acute toxicity (inhalation:vapor) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 3	Flammable liquids Category 3
Repr. 1B	Reproductive toxicity Category 1B
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

Indication of changes:			
Section	Changed item	Change	Comments
14	Transport information	Modified	V1.1
SDS	Product name	Modified	V1.1

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