



MSDS

Material Safety Data Sheet

According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

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

Product Name: FlatFloorz Primer 1

FlatFloorz Inc.

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Section 2: Hazards Identification

GHS Ratings:

Flammable liquid	4	Flash point $\geq 60^{\circ}\text{C}$ (140°F) and $\leq 93^{\circ}\text{C}$ (200°F)
Dermal Toxicity	Acute Tox.4	Dermal >1000 and ≤ 2000 mg/kg
Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: ≥ 1.5 < 2.3
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity ≥ 3 , Iritis > 1.5
Reproductive toxin	1B	Presumed, Based on experimental animals

GHS Hazards:

H227	Combustible liquid
H312	Harmful in contact with skin
H316	Causes mild skin irritation
H318	Causes serious eye damage
H360	May damage fertility or the unborn child

GHS Precautions:

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P235	Keep cool
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P322	Specific measures (see ... on this label)
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing

P308+P313
 P332+P313
 P370+P378

IF exposed or concerned: Get medical advice/attention
 IF skin irritation occurs: Get medical advice/attention
 In case of fire: Use alcohol resistant foam, dry chemical, carbon dioxide (CO₂), dry sand for extinction

P405
 P403+P235
 P501

Store locked up
 Store in a well ventilated place. Keep cool
 Dispose of contents/container in accordance with local/regional/national/international regulations. Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

Signal Word: Danger

Section 3: Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
2-Butoxyethanol	111-76-2	5.00% - 10.00%

Section 4: First Aid Measures

4.1 Description of First Aid Measures

After Inhalation: Supply fresh air. If required provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After Eye Contact: Remove contact lens if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After Skin Contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After Swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting. Call for medical help immediately.

Notes to Physician: Treat symptomatically

Section 5: Firefighting Measures

Flash Point: 62°C (144°F) LEL: 1.00 UEL:

5.1 Extinguishing Media

- Alcohol resistant foam
- Fire-extinguishing powder
- Carbon dioxide

5.2 Special Hazards Arising from the Substance of Mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Hazardous Combustion Products

Carbon oxides

5.4 Advice for Firefighters

Wear self-contained respiratory protective device

5.5 Fire Equipment

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

- Do not breathe vapors
- Avoid contact with skin, eyes and clothing
- Remove all non-essential people from the affected area.
- Ensure adequate ventilation Wear protective equipment

6.2 Environmental Precautions

- Do not allow to enter sewers/ surface or ground water.
- Prevent seepage into sewage system, workpits and cellars

6.3 Methods and Materials for Containment and Cleaning Up:

- Ensure adequate ventilation.
- Pick up and arrange disposal without creating dust.
- Dispose of the collected material according to regulations

6.4 Reference to Other Sections

- For personal protection see Section 8
- For disposal information see Section 13.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

- Do not breath vapour/spray
- Do not get in eyes, on skin, or on clothing
- Ensure good ventilation/exhaustions at the workplace
- Make sure that all applicable workplace limits are observed.
- Protect from humidity and water
- Storage temperature 10 - 50 °C
- Do not store together with oxidizing and acidic materials
- **Requirements to be Met by Storerooms and Receptacles:** Observe all local and national regulations for storage of water polluting products.

7.2 Conditions for Safe Storage, Including any Incompatibilities

- Store in cool, dry conditions in well sealed receptacles
- Keep receptacle tightly sealed.
- Store in dry conditions.

7.3 Specific End Use(s)

No further relevant information available.

Section 8: Exposure controls/personal protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
2-Butoxyethanol 111-76-2	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA

8.1 General Protective and Hygienic Measures

The usual precautionary measures are to be adhered to when handling chemicals.

- Do not eat, drink, smoke or sniff while working
- Keep away foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin

8.2 Personal Protective Equipment

Eye Protection: Safety glasses with side shields. If splashes are likely to occur, wear goggles.

Respiratory Protection: Use suitable respirator protective device in case of insufficient ventilation. Use suitable respiratory protective device when aerosol or mist is formed.

Protection of Hands: Protective gloves: to avoid skin problems, the glove material must be impermeable and resistant to the product/ the substance/ the preparation.

Material of Gloves: Neoprene, butyl rubber gloves, the selection of the suitable gloves does not only depend on the material, but also on the further marks of quality and varies from manufacturer to manufacturer several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of Glove Material: Protective gloves should be replaced at the first signs of wear. The exact break through time must be found out by the manufacturer of the protective gloves and must be observed. Additional Information: The lists that were valid during the creation were used as a basis.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Vapor Density 4.00 VOC 0.3 %	Vapor Pressure 0.052 mmHg
Specific Gravity (SG) 1.020	Boiling Range 100 to 168 °C, 212 to 335 °F
Coating VOC	Coating VOC (as supplied) 0.55 lb/gal

Section 10: Stability and Reactivity

10.1 Reactivity

- Stable under recommended storage conditions.
- No decomposition if stored and applied as directed.
UNSTABLE

10.3 Possibility of Hazardous Reactions

No data available
Hazardous polymerization will not occur

10.2 Chemical Stability

No decomposition if stored and applied as directed. No data available

Section 11: Toxicological Information

Mixture Toxicity

Dermal Toxicity LD50: 1,598mg/kg

Component Toxicity 111-76-2 2-Butoxyethanol Oral LD50: 470 mg/kg (Rat) Dermal LD50: 99 mg/kg (Rabbit) Inhalation LC50: 450 ppm (Rat)

11.1 Information on Toxicological Effects

Routes of Entry: No data available

Target Organs: Blood Eyes Kidneys Liver Central Nervous System Skin Respiratory System

Effects of Overexposure

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

Chemical Name / CAS No.	Description	% Weight	Carcinogen Rating
None			No Data Available

Section 12: Ecological Information

12.1 Persistence and Degradability

Product: No further relevant information available

12.2 Bioaccumulative Potential

Product: Bioaccumulation: No further relevant information available

Partition coefficient: n-octanol/water: No further relevant information available

12.3 Mobility in Soil

Product: Distribution among environmental compartments: No further relevant information available.

Additional Ecological Information:

General notes: German Hazard Water Class 1

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.4 Results of PBT and vPvB Assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

12.5 Other Adverse Effects

Product: No further relevant information available

12.6 Toxicity

Component Ecotoxicity

2-Butoxyethanol

96 Hr LC50 *Lepomis macrochirus*: 1490 mg/L [static]; 96 Hr LC50 *Lepomis macrochirus*: 2950 mg/L
48 Hr EC50 *Daphnia magna*: >1000 mg/L

Section 13: Disposal Considerations

13.1 Waste Treatment Methods

Product: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches the chemical or used container. Offer surplus and nonrecyclable solutions to a licensed disposal company. Send to a licensed waste management company.

Contaminated Packaging: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers

Section 14: Transport Information

14.1 UN Number

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
	No Data Available			

Section 15: Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Country	Regulation	All Components Listed

EU Risk Phrases:

Safety Phrase: None

Section 16: Other Information

We believe the information contained in this SDS is correct, however, because the material may be used under conditions over which we have no control, we give no warranty and assume no responsibility for any damage to person, property or business arising from such use. It is the responsibility of the user to ensure it is properly used. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.