



ALL FROM 1 SUPPLY

Safety Data Sheet EC-2000

Product Identifier:

Product name **BITMAP - Theme & Branding Paint**

Supplier Details:

Name All From 1 Supply
Address 13447 Excelsior Drive
Norwalk, CA 90650
USA

Telephone 866-366-1100

E-mail sales@allfrom1supply.com

allfrom1supply.com

SECTION 2: Hazard identification

Pictogram



Signal word

Hazard statement(s)

H317
H303
H333

Precautionary statement(s)

P280
P501
P102
P103
P202
P233
P261
P262

Warning

May cause an allergic skin reaction
May be harmful if swallowed
May be harmful if inhaled

Wear protective gloves/protective clothing/eye protection/face protection.
Dispose of contents/container to an approved waste disposal plant.
Keep out of reach of children.
Read label before use.
Do not handle until all safety precautions have been read and understood.
Keep container tightly closed.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Do not get in eyes, on skin, or on clothing.

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SECTION 3: Composition/information on ingredients

1. MONOETHANOLAMINE

Concentration > 0.1 - < 0.2 %
EC no. 205-483-3
CAS no. 141-43-5
Index no. 603-030-00-8

2. Poly(oxy-1,2-ethanediyl), alpha-(phenylmethyl)-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-

Concentration > 0.1 - < 0.2 %
EC no. 612-049-0
CAS no. 60864-33-7

3. 1,2-Propanediol

Concentration > 2 - < 2.5 %
CAS no. 57-55-6

4. TITANIUM DIOXIDE

Concentration > 1 - < 20 %
CAS no. 13463-67-7

5. 2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate

Concentration > .9 - < 1.1 %
EC no. 246-771-9
CAS no. 25265-77-4

Any concentration shown as a range is to protect confidentiality or due to batch variation.

See OSHA 1910.1200(i)

SECTION 4: First-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	If inhaled: Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain, nausea, dizziness, breathing difficulty, headaches, and loss of coordination. Effects from vapors or spray mists in poorly ventilated areas may include irritation of the mucus membranes.
In case of skin contact	If on skin: Wash with plenty of soap and water for at least 15 minutes. Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: May cause skin irritation or sensitivity. Signs/symptoms may include localized redness, cracks, swelling, itching, and dermatitis.
In case of eye contact	If in eyes: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

If swallowed

If swallowed: Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Foam, alcohol foam, CO₂, dry chemical, water fog. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Closed containers may rupture if exposed to fire or extreme heat due to buildup of steam pressure.

Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water spray may be used to cool closed containers to prevent pressure build-up and possible rupture of containers.

Further information

Avoid contact with strong alkalis', strong mineral acids, or strong oxidizing agents.

SECTION 6: Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation.

Environmental precautions

Keep out of drains, sewers, ditches, and waterways.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep out of the reach of children. Do not freeze. Product will not recover.

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Specific end use(s)

Product can be applied by airless or assisted-airless spray or vacuum coater.

SECTION 8: Exposure controls/personal protection

CAS: 141-43-5

Ethanolamine

ACGIH (USA): 3 ppm, (ST) 6 ppm TLV® inhalation; Cal/OSHA: 3 ppm, (ST) 6 ppm PEL inhalation; NIOSH: 3 ppm, (ST) 6 ppm REL inhalation; OSHA: 3 ppm PEL inhalation; 6 mg/m³ PEL inhalation

CAS: 57-55-6

1,2-Propanediol

ACGIH (USA): 10 mg/m³ Workplace Environmental Exposure Levels (WEEL) inhalation

Appropriate engineering controls

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Pictograms



Eye/face protection

Safety glasses with side-shields.

Skin protection

Protective gloves and impervious clothing.

Body protection

Wear suitable protective clothing.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid
Odor	Mild latex odor
pH	8.3-9.3
Melting point/freezing point	32°F / 0°C
Initial boiling point and boiling range	212°F / 100°C
Flash point	None (closed cup)
Evaporation rate	Slower than ether
Flammability (solid, gas)	None
Vapor density	Heavier than air

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Relative density	9-11 p/g
Solubility(ies)	In water
Auto-ignition temperature	None
Viscosity	100 – 103 KU
Explosive properties	None

SECTION 10: Stability and reactivity

Reactivity

No specific test data related to reactivity available for this product or its ingredients.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur. Hazardous polymerization does not occur.

Hazardous decomposition products

Carbon oxides

SECTION 11: Toxicological information

Acute toxicity

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Skin corrosion/irritation

May cause skin irritation. Signs/symptoms may include localized redness, cracks, swelling, dermatitis and itching.

Serious eye damage/irritation

May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, burning, blurred or hazy vision.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Reproductive toxicity

No data available.

Summary of evaluation of the CMR properties

No data available.

SECTION 12: Ecological information

Persistence and degradability

MONOETHANOLAMINE: Biodegradability aerobic - Exposure time 28 d
Result: > 70 % - Readily biodegradable
(OECD Test Guideline 301F)

Dipropylene glycol monomethyl ether: Biodegradability aerobic - Exposure time 28 d
Result: 76 % - Readily biodegradable
(OECD Test Guideline 301F)

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Bioaccumulative potential

MONOETHANOLAMINE:

<http://webnet.oecd.org/ccrweb/ChemicalDetails.aspx?ChemicalID=A51B9C16-0837-416F-9697-991CEC9F46D1>

Bioaccumulative (B)? No

Dipropylene glycol monomethyl ether:

<http://webnet.oecd.org/ccrweb/ChemicalDetails.aspx?ChemicalID=0F505FF5-E297-4D11-B841-AE6B73A2C59C>

Mobility in soil

No data available.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

SECTION 13: Disposal considerations

Disposal of the product

Dispose of contents/containers in accordance with local regulations.

Disposal of contaminated packaging

Do not reuse empty containers.

Waste treatment

Dispose of contents/containers in accordance with local regulations.

Sewage disposal

Dispose of contents/containers in accordance with local regulations.

Other disposal recommendations

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport information

DOT (US), IMDG, IATA

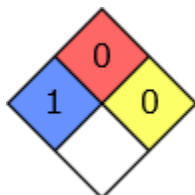
Not dangerous goods

SECTION 15: Regulatory information

HMIS Rating

10-930	
HEALTH	1
FLAMMABILITY	
PHYSICAL HAZARD	
PERSONAL PROTECTION	B

NFPA Rating



SECTION 16: Other information

Do not freeze. Product will not recover.

16.1 Further information/disclaimer

While the description, data, and information contained herein are presented in good faith and believed to be accurate, it is provided for guidance only. Because many factors may affect application/use, it is recommended that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding the product described, data, or information set forth, or that the product, data, or information may be used without infringing the intellectual property rights of others. In no case shall the description, information, or data provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the description, data, and information furnished herein are given gratis and we assume no obligation or liability for the description, data, and information given or results obtained, all such being given and accepted at your risk. The content of this SDS (a.k.a. MSDS) is copyrighted. This SDS may be shared, without changes, and no changes to the content are authorized. Updates to all SDS documents must be obtained directly from supplier. See Section 1 for contact and website information.