

Manufacturer Name: Paint On Screen
U.S. Contact Info.:
Business Phone: (202.6907.8277
Technical Service Phone: (800) 236.8015 ext. 2
Business Fax: (800) 236.8015

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name CAS# Lower Percent Upper Percent

Acrylic polymer(s) No data 10 30
Ethylene Glycol 107-21-1 1 5
2,2,4-Trimethyl-1,3-Pentanediol Monoisobutyrate 25265-77-4 1 5
Titanium dioxide 13463-67-7 0.1 1
Non-hazardous ingredients 60 100

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview: Irritant.
Potential Health Effects:
Eye Contact: May cause irritation.
Skin Contact: May cause irritation.
Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion: May be harmful if swallowed. May cause vomiting.
Chronic Skin Contact: Prolonged or repeated contact may cause skin irritation.
Target Organs: Eyes. Skin. Respiratory system. Digestive system.
Signs/Symptoms: Overexposure may cause headaches and dizziness.
Aggravation of Pre-Existing Conditions: None generally recognized.

SECTION 4: FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact: Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid: Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: No Data

Extinguishing Media: Use alcohol foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.

Protective Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use proper personal protective equipment as listed in section 8.

Spill Cleanup Measures: Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately

observing precautions in the protective equipment section.

Environmental Precautions: Avoid runoff into storm sewers, ditches, and waterways.

SECTION 7: HANDLING AND STORAGE

Handling: Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.

Storage: Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.

Hygiene Practices: Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Skin Protection Description: Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or

clothing.

Hand Protection Description: Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.

Eye/Face Protection: Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

Respiratory Protection: A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Other Protective: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Ingredient Guidelines Guideline Type Guideline Information

Ethylene Glycol

ACGIH TLV-STEL C 100 mg/m³ (Aerosol only)

Titanium dioxide

OSHA PEL-TWA 15 mg/m³

ACGIH TLV-TWA 10 mg/m³

To Top of page

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance: Liquid

Color: White

pH: 8.5 to 9.5

Vapor Density: Greater than 1 (Air = 1)

Density: 8 - 10 Lbs./gal.

Molecular Formula: Mixture

Molecular Weight: Mixture

Flash Point: No Data

VOC: Material VOC: 84gm/l (Includes Water)"

"Coating VOC: 246 gm/l (Excludes Water)

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.

Incompatibilities with Other Materials: Oxidizing agents. Strong acids and alkalis.
Hazardous Polymerization: Not reported.
Hazardous Decomposition Products: Incomplete combustion may produce carbon monoxide and other toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

2,2,4-Trimethyl-1,3-Pentanediol Monoisobutyrate

Ingestion Effects: Ingestion - Rat LD50: 3200 mg/kg - Details of toxic effects not reported other than lethal dose value

Ingestion - Mouse LD50: 3200 mg/kg - [Details of toxic effects not reported other than lethal dose value. (RTECS)

Ethylene Glycol

Eye Effect: Eye - Rabbit; Standard Draize : 500 mg/24H; Mild.

Eye - Rabbit; Standard Draize : 1440 mg/6H; Moderate. (RTECS)

Skin Effects: Skin - Rabbit; Open irritation : 555 mg; Mild. (RTECS)

Ingestion Effects: Ingestion - Rat LD50: 4700 mg/kg; Details of toxic effects not reported other than lethal dose value. (RTECS)

Inhalation Effects: Inhalation - Rat LC: >200 mg/m³/4H; Details of toxic effects not reported other than lethal dose value

Inhalation - Mouse LC: >200 mg/m³/2H; Details of toxic effects not reported other than lethal dose value (RTECS)

Titanium dioxide

Skin Effects: Skin - Rabbit; Standard Draize : 300 ug/3D; (Intermittent) Mild. (RTECS)

Ingestion Effects: Ingestion - Rat TDLo: 60 gm/kg; Gastrointestinal - hypermotility, diarrhea Gastrointestinal - other changes. (RTECS)

Carcinogenicity: IARC: Group 3: Unclassifiable as to carcinogenicity to humans

Notes Not all of the toxicological studies for the ingredients contained in this product are displayed. For additional information, please consult the references listed in Section 16 of this MSDS.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.

Environmental Fate: No environmental information found for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state

and local waste requirements or guidelines, if applicable, to ensure compliance.

Arrange disposal in accordance to the EPA and/or state and

SECTION 14: TRANSPORT INFORMATION

DOT UN Number: No Data
DOT Hazard Class: No Data

SECTION 15: REGULATORY INFORMATION

2,2,4-Trimethyl-1,3-Pentanediol Monoisobutyrate

TSCA 8(b): Inventory Status: Listed
Canada DSL: Listed
Ethylene Glycol

TSCA 8(b): Inventory Status: Listed
State: Listed in the New Jersey State Right to Know list.
Listed in the Pennsylvania Hazardous Substances list.
Canada DSL: Listed
Titanium dioxide

TSCA 8(b): Inventory Status: Listed
State: Listed in the New Jersey State Right to Know list.
Listed in the Pennsylvania Hazardous Substances list.
Canada DSL: Listed
Proposition 65: WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

SECTION 16: ADDITIONAL INFORMATION

MSDS Revision Date: 06/26/2006
MSDS Author: Actio Corporation
Disclaimer:

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 or quality specification. The information relates only to the specific materials designated. Refer to individual product safety Data sheets when using more than one product in combination with another.

References:

1. OSHA Hazard Communication Standard, 1910.1200 and Z Tables.

2. NIOSH Registry of Toxic Effects of Chemical Substances (RTECS) and Pocket Guide to Chemical Hazards.
3. Sax Dangerous Properties of Industrial Materials. Tenth Edition.
4. Hawleys Condensed Chemical Dictionary, Thirteenth Edition
5. IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, WHO International Research on Cancer, 2004.
6. Industrial Hygiene and Toxicology, by F.A. Patty.
7. National Library of Medicine, Department of Health and Human Services, Hazardous Substances Data Bank (HSDB).
8. National Toxicology Program (NTP) Tenth Report on Carcinogens, 2002.
9. Brethericks Reactive Chemical Hazards Database. Version 2.
10. Gassarett and Doulls Toxicology, The Basic Science of Poisons.
11. The Merck Index: An Encyclopedia of Chemicals and Drugs. Merck and Company. Twelfth Edition 1998.
12. Threshold Limit Values for Chemical Substances and Physical Agents in the Work Environment and Biological Exposure Indices. TLV Booklet, 2003.

Product Name: Pro Media Consulting Metallic Silver

Manufacturer Name: Pro Media Consulting

(BA/MMA) 25852-37-3 10 30
Silicate, mica 12001-26-2 10 30
Ethylene Glycol 107-21-1 1 5
Titanium dioxide 13463-67-7 1 5
Bismuth Oxychloride 7787-59-9 1 5
Non-hazardous ingredients 30 60

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview: Irritant.

Potential Health Effects:

Eye Contact: May cause irritation.

Skin Contact: May cause irritation.

Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.

Ingestion: May be harmful if swallowed. May cause vomiting.

Chronic Skin Contact: Prolonged or repeated contact may cause skin irritation.

Target Organs: Eyes. Skin. Respiratory system. Digestive system.

Signs/Symptoms: Overexposure may cause headaches and dizziness.

Aggravation of Pre-Existing Conditions: None generally recognized.

SECTION 4: FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for 15 to 20 minutes.

Get medical attention, if irritation or symptoms of overexposure persists.

Skin Contact: Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Other First Aid: Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: No Data

Extinguishing Media: Use alcohol foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.

Protective Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use proper personal protective equipment as listed in section 8.

Spill Cleanup Measures: Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately

observing precautions in the protective equipment section.

Environmental Precautions: Avoid runoff into storm sewers, ditches, and waterways.

SECTION 7: HANDLING AND STORAGE

Handling: Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.

Storage: Store in a cool, dry, well ventilated area away from sources of heat,

combustible materials, and incompatible substances. Keep container tightly closed when not in use.

Hygiene Practices: Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Skin Protection Description: Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

Hand Protection Description: Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.

Eye/Face Protection: Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

Respiratory Protection: A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Other Protective: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Ingredient Guidelines Guideline Type Guideline Information

Ethylene Glycol
ACGIH TLV-STEL C 100 mg/m³ (Aerosol only)

Silicate, mica
OSHA PEL-TWA 20 mg/m³
ACGIH TLV-TWA 3 mg/m³ (Respirable)
Titanium dioxide
ACGIH TLV-TWA 10 mg/m³
OSHA PEL-TWA 15 mg/m³
To Top of page

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance: Liquid
pH: 8.5 to 9.5
Vapor Density: Greater than 1 (Air = 1)
Density: 8 - 10 Lbs./gal.
Molecular Formula: Mixture
Molecular Weight: Mixture
Flash Point: No Data
VOC: Material VOC: 82gm/l (Includes Water)"
"Coating VOC: 210 gm/l (Excludes Water)

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.
Incompatibilities with Other Materials: Oxidizing agents. Strong acids and alkalis.
Hazardous Polymerization: Not reported.
Hazardous Decomposition Products: Incomplete combustion may produce carbon monoxide and other toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

Bismuth Oxychloride
Ingestion Effects: Ingestion - Rat LD50: 22 gm/kg; Details of toxic effects not reported other than lethal dose value (RTECS)
Ethylene Glycol
Eye Effect: Eye - Rabbit; Standard Draize : 500 mg/24H; Mild.
Eye - Rabbit; Standard Draize : 1440 mg/6H; Moderate. (RTECS)
Skin Effects: Skin - Rabbit; Open irritation : 555 mg; Mild. (RTECS)
Ingestion Effects: Ingestion - Rat LD50: 4700 mg/kg; Details of toxic effects not reported other than lethal dose value. (RTECS)
Inhalation Effects: Inhalation - Rat LC: >200 mg/m³/4H; Details of toxic effects not reported other than lethal dose value

Inhalation - Mouse LC: >200 mg/m³/2H; Details of toxic effects not reported other than lethal dose value (RTECS)

Titanium dioxide

Skin Effects: Skin - Rabbit; Standard Draize : 300 ug/3D; (Intermittent) Mild. (RTECS)

Ingestion Effects: Ingestion - Rat TDLo: 60 gm/kg; Gastrointestinal - hypermotility, diarrhea Gastrointestinal - other changes. (RTECS)

Carcinogenicity: IARC: Group 3: Unclassifiable as to carcinogenicity to humans

Notes Not all of the toxicological studies for the ingredients contained in this product are displayed. For additional information, please consult the references listed in Section 16 of this MSDS.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.

Environmental Fate: No environmental information found for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

SECTION 14: TRANSPORT INFORMATION

DOT UN Number: No Data

DOT Hazard Class: No Data

To Top of page

SECTION 15: REGULATORY INFORMATION

Bismuth Oxychloride

TSCA 8(b): Inventory Status: Listed

Canada DSL: Listed

Ethylene Glycol

TSCA 8(b): Inventory Status: Listed
State: Listed in the New Jersey State Right to Know list.
Listed in the Pennsylvania Hazardous Substances list.
Canada DSL: Listed
P(BA/MMA)

TSCA 8(b): Inventory Status: Listed
Canada DSL: Listed
Silicate, mica

TSCA 8(b): Inventory Status: Not listed
State: Listed in the New Jersey State Right to Know list.
Listed in the Pennsylvania Hazardous Substances list.
Canada DSL: Listed
Titanium dioxide

TSCA 8(b): Inventory Status: Listed
State: Listed in the New Jersey State Right to Know list.
Listed in the Pennsylvania Hazardous Substances list.
Canada DSL: Listed
Proposition 65: WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

SECTION 16: ADDITIONAL INFORMATION

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance: Liquid
Color: White / Silver / Grey
Boiling Point: No Data melting Point: No Data
Density: 10-12lbs./gal.
vapor Density: Greater than 1 (Air = 1)
pH: 8.5 to 9.5
Molecular Formula: mixture molecular

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures. Hazardous Polymerization: Not reported.
Conditions to Avoid: Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.
Incompatible materials: oxidizing agents. Strong acids and alkalis.
Halogenated hydrocarbons.

MSDS Revision Date: 06/26/2006

MSDS Author: Actio Corporation

Disclaimer:

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 or quality specification. The information relates only to the specific materials designated. Refer to individual product safety Data sheets when using more than one product in combination with another.

References:

1. OSHA Hazard Communication Standard, 1910.1200 and Z Tables.
2. NIOSH Registry of Toxic Effects of Chemical Substances (RTECS) and Pocket Guide to Chemical Hazards.
3. Sax Dangerous Properties of Industrial Materials. Tenth Edition.
4. Hawleys Condensed Chemical Dictionary, Thirteenth Edition
5. IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, WHO International Research on Cancer, 2004.
6. Industrial Hygiene and Toxicology, by F.A. Patty.
7. National Library of Medicine, Department of Health and Human Services, Hazardous Substances Data Bank (HSDB).
8. National Toxicology Program (NTP) Tenth Report on Carcinogens, 2002.
9. Brethericks Reactive Chemical Hazards Database. Version 2.
10. Gassarett and Doulls Toxicology, The Basic Science of Poisons.
11. The Merck Index: An Encyclopedia of Chemicals and Drugs. Merck and Company. Twelfth Edition 1998.
12. Threshold Limit Values for Chemical Substances and Physical Agents in the Work Environment and Biological Exposure Indices. TLV Booklet, 2003.