

SAFETY DATA SHEET

1. Identification

Product identifier Ideapaint PRO Part A, THAT
Other means of identification Not available.
Recommended use Dry erase coating.
Recommended restrictions None known.
Manufacturer/Importer/Supplier/Distributor information
Manufacturer/Supplier IdeaPaint
40 Broad Street Boston, MA 02109
617.714.1050
Telephone number
e-mail marty@ideapaint.com
Emergency +1.866.519.4752 (US, Canada, Mexico)
+1-760-476-3962 (US, Canada, Mexico)
Access Code: 333641

2. Hazard(s) identification

Physical hazards Flammable liquids Category 3
Health hazards Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Specific target organ toxicity, single exposure Category 3 narcotic effects
OSHA defined hazards Not classified.

Label elements



Signal word Warning
Hazard statement Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness.
Flammable liquid and vapor.

Precautionary statement

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Avoid breathing mist or vapor. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Call a poison center/doctor if you feel unwell. 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 inhaled: Remove person to fresh air and keep comfortable for breathing.

Storage

Store in a well-ventilated place. Keep cool. Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Titanium dioxide	13463-67-7	30-50

Acrylic copolymer	trade secret	20-50
n-Butyl acetate	123-86-4	10-30
5-Methylhexan-2-one	110-12-3	<10
Aluminium hydroxide	21645-51-2	<10
Propionic acid	79-09-4	<10
Silicon dioxide	7631-86-9	<10
Xylene	1330-20-7	0-10

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Skin contact	Take off immediately all contaminated clothing. Flush thoroughly with water for at least 15 minutes. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth thoroughly. Drink a few glasses of water or milk. Only induce vomiting at the instruction of medical personnel. Get medical attention if any discomfort continues.
Most important symptoms/effects, acute and delayed	Skin and eye irritation. May cause drowsiness or dizziness.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards arising from the chemical	Fire or high temperatures create: Carbon oxides. Oxides of Silica.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.
Fire-fighting equipment/instructions	Cool containers exposed to heat with water spray and remove container, if no risk is involved. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.
Specific methods	Use water spray to cool unopened containers.
General fire hazards	The product is flammable, and heating may generate vapors which may form explosive vapor/air mixtures.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid contact with skin and eyes. Avoid breathing mist or vapor. Do not taste or swallow. Wear suitable protective clothing.
Methods and materials for containment and cleaning up	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ventilate the area. Dike the spilled material, where this is possible. Absorb spillage with non-combustible, absorbent material.
Environmental precautions	Do not discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

The product is flammable, and heating may generate vapors which may form explosive vapor/air mixtures. Do not handle or store near an open flame, heat or other sources of ignition. Local exhaust is recommended. Avoid inhalation of vapors and spray mist and contact with skin and eyes. Do not smoke, use open fire or other sources of ignition. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Use non-sparking hand tools and explosion-proof electrical equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Follow rules for flammable liquids. Keep away from heat, sparks and open flame. Store in closed original container in a dry place. Protect against direct sunlight. Store away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
5-Methylhexan-2-one (CAS 110-12-3)	PEL	475 mg/m ³	
n-Butyl acetate (CAS 123-86-4)	PEL	100 ppm 710 mg/m ³	
Titanium dioxide (CAS 13463-67-7)	PEL	150 ppm 15 mg/m ³	Total dust.
Xylene (CAS 1330-20-7)	PEL	435 mg/m ³ 100 ppm	

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
Silicon dioxide (CAS 7631-86-9)	TWA	0.8 mg/m ³ 20 mppcf

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
5-Methylhexan-2-one (CAS 110-12-3)	STEL	50 ppm	
Aluminium hydroxide (CAS 21645-51-2)	TWA	20 ppm 1 mg/m ³	Respirable fraction.
n-Butyl acetate (CAS 123-86-4)	STEL	200 ppm	
Propionic acid (CAS 79-09-4)	TWA	150 ppm 10 ppm	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m ³	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
5-Methylhexan-2-one (CAS 110-12-3)	TWA	240 mg/m ³ 50 ppm
n-Butyl acetate (CAS 123-86-4)	STEL	950 mg/m ³ 200 ppm
	TWA	710 mg/m ³ 150 ppm
Propionic acid (CAS 79-09-4)	STEL	45 mg/m ³

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Silicon dioxide (CAS 7631-86-9) Xylene (CAS 1330-20-7)		15 ppm
	TWA	30 mg/m ³
		10 ppm
	TWA	6 mg/m ³
	STEL	655 mg/m ³
	TWA	150 ppm
		435 mg/m ³
		100 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

* - For sampling details, please see the source document.

Exposure guidelines	Follow standard monitoring procedures.
Appropriate engineering controls	Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear approved safety glasses or goggles.
Skin protection	
Hand protection	Wear protective gloves. Suitable gloves can be recommended by the glove supplier.
Other	Wear appropriate chemical resistant clothing.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	Off-white liquid.
Physical state	Liquid.
Form	Liquid.
Color	White.
Odor	Strong sweet.
Odor threshold	Not available.
pH	6 - 9
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	> 80.0 °F (> 26.7 °C) Tag Closed Cup ASTM D56
Evaporation rate	Slower than ether.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	1.7
Flammability limit - lower (%) temperature	212 °F (100 °C)

Flammability limit - upper (%)	>9.44
Flammability limit - upper (%) temperature	212 °F (100 °C)
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Heavier than air.
Relative density	1.2 - 1.32
Solubility(ies)	
Solubility (water)	Insoluble in water.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
VOC (Weight %)	320 g/l EPA Method 24 Mixture of A and B

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable under normal temperature conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Ingestion	May cause discomfort if swallowed.
Inhalation	May cause drowsiness or dizziness.
Skin contact	Causes skin irritation.
Eye contact	Causes eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics Skin and eye irritation. May cause drowsiness or dizziness.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

Components	Species	Test Results
5-Methylhexan-2-one (CAS 110-12-3)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	8900 mg/kg
<i>Oral</i>		
LD50	Rat	3200 mg/kg
Aluminium hydroxide (CAS 21645-51-2)		
Acute		
<i>Inhalation</i>		
LC50	Rat	> 2.3 mg/l, 4 Hours
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg

Components	Species	Test Results
n-Butyl acetate (CAS 123-86-4)		
Acute		
<i>Inhalation</i>		
LC50	Rat	2000 ppm, 4 Hours
<i>Oral</i>		
LD50	Rat	10768 mg/kg
Propionic acid (CAS 79-09-4)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	500 mg/kg
<i>Oral</i>		
LD50	Rat	> 400 mg/kg
Xylene (CAS 1330-20-7)		
Acute		
<i>Oral</i>		
LD50	Rat	4300 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes eye irritation.	
Respiratory or skin sensitization		
Respiratory sensitization	Not classified.	
Skin sensitization	Not a skin sensitizer.	
Germ cell mutagenicity	Not classified.	
Carcinogenicity	Titanium dioxide is considered carcinogenic only when in an inhalable powdered form.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Silicon dioxide (CAS 7631-86-9)	3 Not classifiable as to carcinogenicity to humans.	
Titanium dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans.	
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.	
Reproductive toxicity	Not classified.	
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not classified.	
Chronic effects	Prolonged or repeated contact may dry skin and cause dermatitis.	
Further information	May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue) and/or damage.	

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
5-Methylhexan-2-one (CAS 110-12-3)		
Aquatic		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) 159 mg/l, 96 hours
n-Butyl acetate (CAS 123-86-4)		
Aquatic		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) 17 - 19 mg/l, 96 hours
Titanium dioxide (CAS 13463-67-7)		
Aquatic		
Crustacea	EC50	Water flea (<i>Daphnia magna</i>) > 1000 mg/l, 48 hours

Components	Species	Test Results
Fish	LC50	Mummichog (Fundulus heteroclitus)
Xylene (CAS 1330-20-7)		> 1000 mg/l, 96 hours
Aquatic		
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)
Persistence and degradability	Not available.	
Bioaccumulative potential	Not available.	
Partition coefficient n-octanol / water (log Kow)		
5-Methylhexan-2-one (CAS 110-12-3)	1.88	
Propionic acid (CAS 79-09-4)	0.33	
Xylene (CAS 1330-20-7)	3.2	
n-Butyl acetate (CAS 123-86-4)	1.78	
Mobility in soil	The product is insoluble in water.	
Other adverse effects	No data available.	

13. Disposal considerations

Disposal instructions	Do not discharge into drains, water courses or onto the ground. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose of in accordance with local regulations.
Hazardous waste code	D001: Waste Flammable material with a flash point <140 °F The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

US RCRA Hazardous Waste U List: Reference

Xylene (CAS 1330-20-7) U239

Waste from residues / unused products	Do not discharge into rivers, lakes, mountains, etc. because the product may affect the environment.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

UN number	UN1993
UN proper shipping name	Flammable liquid, n.o.s. (n-Butyl acetate, Xylene)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	No
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	IB2, T7, TP1, TP8, TP28
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242

IATA

UN number	UN1993
UN proper shipping name	Flammable liquid, n.o.s. (n-Butyl acetate, Xylene)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	III
Environmental hazards	No
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN1993
UN proper shipping name	Flammable liquid, n.o.s. (n-Butyl acetate, Xylene)

Transport hazard class(es)**Class** 3**Subsidiary risk** -**Label(s)** 3**Packing group** III**Environmental hazards****Marine pollutant** No**EmS** F-E, S-E**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.**15. Regulatory information****US federal regulations****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

n-Butyl acetate (CAS 123-86-4) LISTED

Propionic acid (CAS 79-09-4) LISTED

Xylene (CAS 1330-20-7) LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories** Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No**SARA 302 Extremely hazardous substance**

Not listed.

SARA 311/312 Hazardous chemical Yes**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Xylene	1330-20-7	0-10
Ethylbenzene	100-41-4	0-6

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Xylene (CAS 1330-20-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.**US state regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.**US. Massachusetts RTK - Substance List**

5-Methylhexan-2-one (CAS 110-12-3)

n-Butyl acetate (CAS 123-86-4)

Propionic acid (CAS 79-09-4)

Silicon dioxide (CAS 7631-86-9)

Titanium dioxide (CAS 13463-67-7)

Xylene (CAS 1330-20-7)

US. New Jersey Worker and Community Right-to-Know Act

5-Methylhexan-2-one (CAS 110-12-3)

n-Butyl acetate (CAS 123-86-4)

Propionic acid (CAS 79-09-4)

Silicon dioxide (CAS 7631-86-9)

Titanium dioxide (CAS 13463-67-7)

Xylene (CAS 1330-20-7)

US. Pennsylvania Worker and Community Right-to-Know Law

5-Methylhexan-2-one (CAS 110-12-3)

n-Butyl acetate (CAS 123-86-4)

Propionic acid (CAS 79-09-4)

Silicon dioxide (CAS 7631-86-9)

Titanium dioxide (CAS 13463-67-7)

Xylene (CAS 1330-20-7)

US. Rhode Island RTK

n-Butyl acetate (CAS 123-86-4)

Propionic acid (CAS 79-09-4)

Xylene (CAS 1330-20-7)

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Titanium dioxide (CAS 13463-67-7)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

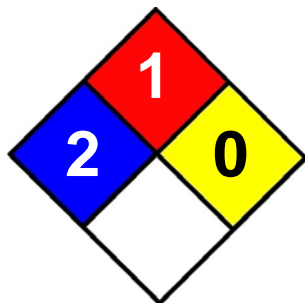
Issue date 14-May-2014

Revision date 12-June-2014

Version # 03

Further information The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

NFPA Ratings



References IUCLID
RTECS
HSDB® - Hazardous Substances Data Bank

Disclaimer The information in the sheet was written based on the best knowledge and experience currently available.