



Material Safety Data Sheet

Product Name: TOUCH-UP PAINT WBTU

ID: 908

*** Section 1 - Chemical Product and Company Identification ***

Chemical Formula: Mixture

Product Use: Touch-up paints for aluminum siding

Other Designations: Almond, American Walnut, Aspen Grey, Birchwood, Black, Bronze, Brookstone, Cameo, Cape Cod Grey, Champagne, Charcoal gray, Classic Cream, Colonial Yellow, Desert sand, Everest, Evergreen, Glacier Blue, Harbor Grey, Linen, Maple, Musket brown, Natural Cedar, Pebblestone clay, Pine Needle, Redwood, Royal Brown, Sage, Sandtone, Sash Brown, Sawmill, Sierra Clay, Silver gray, Snow White, Terra Bronze, Timber Stone, Victorian gray, Village Green, White, Wicker, Woodland Green, and custom DreamColor™

Ply Gem Industries, Inc.
2600 Grand Blvd, Suite 900, Kansas City, MO 64108

Phone: 1-816-426-8200 or 1-800-788-1964

Emergency Information: USA: Chemtrec: 1-800-424-9300 or 1-703-527-3887

*** Section 2 - Composition / Information on Ingredients ***

Complete composition is provided below and may include some components classified as non-hazardous.

CAS #	Component	Percent
Multiple	Acrylic resins	<40
7732-18-5	Water	20-40
57-55-6	Propylene glycol	1-10
112-34-5	Diethylene glycol monobutyl ether	1-5
110-98-5	Dipropylene glycol	1-5
	Modifiers	-
14807-96-6	Talc	0-10
14808-60-7	Silica, crystalline, quartz	0-1
14464-46-1	Silica, crystalline, cristobalite	0-1
Multiple	Silica, amorphous	0-5
	Pigments	-
13463-67-7	Titanium dioxide	0-30
Multiple	Copper compounds	0-20
Multiple	Chromium (III) compounds	0-20
Multiple	Antimony compounds	0-15
Multiple	Nickel compounds	0-15
1309-37-1	Iron oxide	0-10
Multiple	Cobalt compounds	0-10
1333-86-4	Carbon black	0-5
Multiple	Lead compounds	0-1

*** Section 3 - Hazards Identification ***

Emergency Overview:

Liquid. Multi-colored. Solvent odor. Combustible. Solvent vapors may form explosive air/vapor mixtures at room temperature.

Can cause irritation of eyes, skin and respiratory tract. Can cause central nervous system effects (headache, dizziness, nausea and loss of consciousness). Can be absorbed through the skin.

Potential Health Effects

Eyes

Direct contact can cause irritation.

Skin

Can cause irritation. Prolonged or repeated contact with the skin can cause dermatitis or sensitization. Can be absorbed through the skin.

Material Safety Data Sheet

Product Name: TOUCH-UP PAINT WBTU

ID: 908

Ingestion

Can cause irritation and central nervous system effects (headache, dizziness, nausea and loss of consciousness). Harmful or fatal if swallowed. Dried film of this product may be harmful if chewed or swallowed.

Inhalation

Can cause irritation of upper respiratory tract. Can cause central nervous system effects (headache, dizziness, nausea and loss of consciousness), liver damage and lung damage. Cancer hazard.

Health Effects of Ingredients

Diethylene glycol monobutyl ether (DEGBE) Can cause irritation of eyes and skin. Skin contact: Can be absorbed through the skin. Additional information: Studies with experimental animals (rats) have found liver damage, kidney damage, spleen damage and testicular damage.

Propylene glycol Can cause mild irritation of eyes and skin. Skin contact (prolonged and repeated): Can cause allergic contact dermatitis. Acute overexposures: Can cause central nervous system effects (nausea, dizziness and loss of coordination) and kidney damage.

Lead dust or fume Can cause irritation of eyes and upper respiratory tract. Acute overexposures: Can cause nausea and muscle cramps. Chronic overexposures: Can cause weakness in the extremities (peripheral neuropathy), abdominal cramps and other gastrointestinal tract effects, kidney damage, liver damage, central nervous system damage, damage to blood forming organs, blood cell damage and reproductive harm. Can cause reduced fertility and fetal toxicity in pregnant women. IARC/NTP: Listed as possibly carcinogenic to humans by IARC (Group 2B)*. **Certain inorganic lead compounds**: IARC/NTP: Listed as "reasonably anticipated to be a human carcinogen" by the NTP. Listed as probably carcinogenic to humans by IARC (Group 2A)*.

Talc (asbestos-free and <1% silica) Can cause irritation of eyes, skin and upper respiratory tract. Chronic overexposures: Can cause lung damage.

Silica, crystalline (quartz, cristobalite, tridymite) Chronic overexposures: Can cause scarring of the lungs (silicosis), suppression of the immune system and lung cancer. IARC/NTP: Listed as "known to be a human carcinogen" (if respirable size) by the NTP. Listed as carcinogenic to humans (by inhalation) by IARC (Group 1)*. Additional information: Studies with experimental animals (rats) by inhalation have found lung tumors.

Silica, amorphous Acute overexposures: Can cause dryness of eyes, nose and upper respiratory tract.

Titanium dioxide Can cause irritation of eyes and respiratory tract. Chronic overexposures: Can cause chronic bronchitis.

Copper dust and mists Can cause irritation of eyes, mucous membranes, skin and respiratory tract. Chronic overexposures: Can cause reduction in the number of red blood cells (anemia), skin abnormalities (pigmentation changes) and hair discoloration.

Chromium (III) compounds Can cause irritation of eyes, skin and respiratory tract. **Trivalent chromium** IARC/NTP: Not classified by IARC.

Antimony compounds Can cause irritation of eyes, skin and mucous membranes. Chronic overexposures: Can cause dermatitis, perforation of the nasal septum, weight loss, hair loss, chemical pneumonia, liver damage and kidney damage. Ingestion: Can cause abdominal cramps, diarrhea, dizziness, abnormal heart rhythm (arrhythmia) and death.

Nickel compounds Can cause irritation of eyes, skin and respiratory tract. Skin contact: Can cause sensitization and allergic contact dermatitis. Chronic overexposures: Can cause perforation of the nasal septum, inflammation of the nasal passages (sinusitis), respiratory sensitization and asthma. Associated with lung cancer, cancer of the vocal cords and nasal cancer. IARC/NTP: Listed as "known to be a human carcinogen" by the NTP. Listed as carcinogenic to humans by IARC (Group 1)*.

Material Safety Data Sheet

Product Name: TOUCH-UP PAINT WBTU

ID: 908

Iron oxide Chronic overexposures: Can cause benign lung disease (siderosis). Ingestion: Can cause irritation of gastrointestinal tract, bleeding, changes in the pH of the body fluids (metabolic acidosis) and liver damage.

Cobalt compounds Can cause irritation of eyes, skin and respiratory tract. Skin contact: Can cause allergic reactions. Acute and chronic overexposures: Can cause respiratory sensitization, asthma, kidney damage and damage to the heart muscle (cardiomyopathy). IARC/NTP: Listed as possibly carcinogenic to humans by IARC (Group 2B)*.

Carbon black Can cause mechanical irritation of eyes, skin and upper respiratory tract. Chronic overexposures: Can cause chronic bronchitis and lung disease. IARC/NTP: Listed as possibly carcinogenic to humans by IARC (Group 2B)*. Additional information: Studies with experimental animals (rats) by inhalation have found lung tumors and skin tumors.

*IARC Classification Definitions

Group 1: The agent is carcinogenic to humans. There is sufficient evidence that a causal relationship existed between exposure to the agent and human cancer.

Group 2B: The agent is possibly carcinogenic to humans. Generally includes agents for which there is limited evidence in humans and less than sufficient evidence in experimental animals.

Medical Conditions Aggravated By Exposure to the Product and/or Components

Asthma, chronic lung disease, and skin rashes.

* * * Section 4 - First Aid Measures * * *

First Aid: Eyes

Flush eyes with plenty of water or saline for at least 15 minutes. Consult a physician.

First Aid: Skin

Wash skin with soap and water for at least 15 minutes. Consult a physician if irritation persists.

First Aid: Ingestion

If swallowed, dilute by drinking large amounts of water. Recommend quantities up to 30 mL (~1 oz.) in children and 250 mL (~9 oz.) in adults. *Never give anything by mouth to a convulsing or unconscious person. Do **not** induce vomiting.* Consult a physician immediately.

First Aid: Inhalation

Remove to fresh air. If unconscious or severely injured, check for clear airway, breathing and presence of pulse. Perform CPR if there is no pulse or respiration. Consult a physician.

* * * Section 5 - Fire Fighting Measures * * *

Flash Point: 120F (48°C)

Flash Point Method: Pensky-Martin Closed Cup

Flammable/Combustible Properties

Combustible.

Fire/Explosion

Solvent vapors may form explosive mixtures in air at room temperature. Vapors are heavier than air and may travel considerable distances along the ground to a source of ignition. Closed containers may burst or explode when exposed to extreme heat. Explosions can cause cans to "rocket" into non-burning areas which can spread the fire beyond the area of origin. Material and rags contaminated with solvents can be combustible.

Extinguishing Media

Use Class B extinguishers [Carbon Dioxide, Dry Chemical (ABC or BC), or universal Aqueous Film Forming Foam (AFFF)] designed to extinguish Class II combustible liquid fires.

Water spray may be ineffective and may spread flames. Use water spray to cool exposed containers. If water is used, fog nozzles are preferable.

Material Safety Data Sheet

Product Name: TOUCH-UP PAINT WBTU

ID: 908

Fire Fighting Equipment/Instructions

Fire fighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

* * * Section 6 - Accidental Release Measures * * *

Small/Large Spill

Use adequate ventilation to reduce vapor concentration. Avoid eye and skin exposures. Wear appropriate personal protective equipment. Avoid all ignition sources around spill. Absorb with absorbent material. Collect in closed metal containers for disposal.

* * * Section 7 - Handling and Storage * * *

Handling/Storage

Avoid eye and skin contact. Use adequate ventilation to reduce vapor concentration. Prohibit smoking.

Store away from heat, sparks, flames, oxidizers, and other incompatible substances. Do not store above 120°F (49°C). For large quantities, store in buildings designed and protected for storage of Class II combustible liquids.

Containers should be bonded and grounded during pouring or transfer to prevent static discharge which could ignite material. Avoid freefall of liquid in excess of a few inches. Empty containers may contain residual product. Do not cut or weld on containers.

Contaminated rags should be stored in a self-extinguishing or other type of metal waste container to protect against fires from spontaneous combustion.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Engineering Controls

Use with adequate ventilation to meet the limits listed in Section 8, Exposure Guidelines.

Personal Protective Equipment

Respiratory Protection

Use NIOSH-approved respiratory protection as specified by an Industrial Hygienist or other qualified professional if concentrations exceed the limits listed in Section 8, Exposure Guidelines. Suggested respiratory protection:
N95, organic vapor cartridge

Eye Protection

Wear safety goggles and face shield to avoid direct contact with eyes and face.

Skin Protection

Wear impervious gloves/apron to prevent any skin contact.

Exposure Guidelines

A: General Product Information

Alcoa recommends an Occupational Exposure Limit for Silica, Crystalline Quartz of 0.05 mg/m³ TWA (respirable fraction). Alcoa recommends an Occupational Exposure Limit for Nickel Compounds of 0.1 mg/m³ TWA. Alcoa recommends an Occupational Exposure Limit for Cobalt of 0.02 mg/m³ TWA.

Material Safety Data Sheet

Product Name: TOUCH-UP PAINT WBTU

ID: 908

B: Component Exposure Limits

Talc (14807-96-6)

ACGIH 2 mg/m³ TWA (respirable fraction, particulate matter containing no asbestos and < 1% crystalline silica)

OSHA 20 mppcf TWA (containing no asbestos and <1% quartz)

Silica, crystalline, quartz (14808-60-7)

ACGIH 0.05 mg/m³ TWA (respirable fraction)

OSHA 0.1 mg/m³ TWA (respirable); 0.3 mg/m³ TWA (total dust)

Silica, crystalline, cristobalite (14464-46-1)

ACGIH 0.05 mg/m³ TWA (respirable fraction)

OSHA 0.05 mg/m³ TWA (respirable); 0.15 mg/m³ TWA (total dust)

Silica, amorphous (Multiple)

ACGIH 10 mg/m³ TWA (inhalable fraction, particulate matter containing no asbestos and < 1% crystalline silica); 3 mg/m³ TWA (respirable fraction, particulate matter containing no asbestos and < 1% crystalline silica)

OSHA 20 mppcf TWA; ((80 mg/m³)/(%SiO₂)) mppcf TWA)

Titanium dioxide (13463-67-7)

ACGIH 10 mg/m³ TWA

OSHA 15 mg/m³ TWA (total dust)

Copper compounds (Multiple)

ACGIH 0.2 mg/m³ TWA (fume); 1 mg/m³ TWA (dusts and mists, as Cu)

OSHA 0.1 mg/m³ TWA (fume); 1 mg/m³ TWA (dusts and mists)

Chromium (III) compounds (Multiple)

ACGIH 0.5 mg/m³ TWA (as Cr) (related to Chromium (III) compounds)

OSHA 0.5 mg/m³ TWA (as Cr) (related to Chromium (III) Compounds)

Antimony compounds (Multiple)

ACGIH 0.5 mg/m³ TWA (as Sb) (related to Antimony compounds)

OSHA 0.5 mg/m³ TWA (as Sb) (related to Antimony compounds)

Nickel compounds (Multiple)

ACGIH 0.2 mg/m³ TWA (inhalable fraction, as Ni) (related to Nickel insoluble inorganic compounds (NOS))

OSHA 1 mg/m³ TWA (as Ni) (related to Nickel insoluble compounds)

Iron oxide (1309-37-1)

ACGIH 5 mg/m³ TWA (dust and fume, as Fe)

OSHA 10 mg/m³ TWA

Cobalt compounds (Multiple)

ACGIH 0.02 mg/m³ TWA (as Co) (related to Cobalt, inorganic compounds)

Carbon black (1333-86-4)

ACGIH 3.5 mg/m³ TWA

OSHA 3.5 mg/m³ TWA

Lead compounds (Multiple)

ACGIH 0.05 mg/m³ TWA (as Pb)

OSHA 50 µg/m³ TWA (as Pb); 30 µg/m³ Action Level (as Pb. Poison - see 29 CFR 1910.1025)

* * * Section 9 - Physical & Chemical Properties * * *

Physical State: Liquid

Boiling Point: 171-450°F (77-232°C)

Vapor Pressure: 16-16.8 mm Hg

Solubility in Water: 36.4-50.9%

Density: See Specific Gravity

Odor: Solvent

Octanol-Water Coefficient: Not determined

Appearance: Multi-colored

Melting Point: Not determined

Vapor Density: Heavier than air

Specific Gravity: 1.14-1.33

pH Level: Not applicable

Odor Threshold: Not determined

Material Safety Data Sheet

Product Name: TOUCH-UP PAINT WBTU

ID: 908

*** Section 10 - Chemical Stability & Reactivity Information ***

Stability

Stable under normal conditions of use, storage, and transportation.

Incompatibility

Strong oxidizers, strong bases and reducing agents.

Hazardous Decomposition

Carbon monoxide, carbon dioxide, aldehydes and partially oxidized hydrocarbons.

Hazardous Polymerization

Will not occur.

*** Section 11 - Toxicological Information ***

Health Effects of Ingredients

A: General Product Information

No information available for product.

B: Component Analysis - LD50/LC50

Propylene glycol (57-55-6)

Oral LD50 Rat: 20000 mg/kg; Dermal LD50 Rabbit: 20800 mg/kg

Diethylene glycol monobutyl ether (112-34-5)

Oral LD50 Rat: 3384 mg/kg; Dermal LD50 Rabbit: 2700 mg/kg

Dipropylene glycol (110-98-5)

Oral LD50 Rat: 13300 mg/kg; Dermal LD50 Rabbit: >2000 mg/kg

Silica, crystalline, quartz (14808-60-7)

Oral LD50 Rat: 500 mg/kg

Titanium dioxide (13463-67-7)

Oral LD50 Rat: >10000 mg/kg

Antimony compounds (Multiple)

Oral LD50 Rat: >10000 mg/kg

Iron oxide (1309-37-1)

Oral LD50 Rat: >10000 mg/kg

Carbon black (1333-86-4)

Oral LD50 Rat: >15400 mg/kg; Dermal LD50 Rabbit: >3 g/kg

Carcinogenicity

A: General Product Information

No information available for product.

B: Component Carcinogenicity

Talc (14807-96-6)

ACGIH A4 - Not Classifiable as a Human Carcinogen (containing no asbestos fibers); A1 - Confirmed Human Carcinogen (containing asbestos fibers)

IARC Supplement 7, 1987; Monograph 42, 1987

Silica, crystalline, quartz (14808-60-7)

ACGIH A2 - Suspected Human Carcinogen

IARC Monograph 68, 1997 (Listed under Crystalline silica, inhaled in the form of quartz or cristobalite from occupational sources)

Silica, crystalline, cristobalite (14464-46-1)

IARC Monograph 68, 1997 (Listed under Crystalline silica, inhaled in the form of quartz or cristobalite from occupational sources)

Silica, amorphous (Multiple)

IARC Monograph 68, 1997 (Listed under Amorphous silica)

Titanium dioxide (13463-67-7)

ACGIH A4 - Not Classifiable as a Human Carcinogen

IARC Monograph 47, 1989

Material Safety Data Sheet

Product Name: TOUCH-UP PAINT WBTU

ID: 908

Chromium (III) compounds (Multiple)

ACGIH A4 - Not Classifiable as a Human Carcinogen (related to Chromium (III) compounds)
IARC Monograph 49, 1990 (Listed under Chromium and Chromium compounds) (related to Chromium (III) Compounds)

Nickel compounds (Multiple)

ACGIH A1 - Confirmed Human Carcinogen (related to Nickel, inorganic compounds, insoluble (NOS))

Iron oxide (1309-37-1)

ACGIH A4 - Not Classifiable as a Human Carcinogen (dust and fume)
IARC Supplement 7, 1987; Monograph 1, 1972

Cobalt compounds (Multiple)

ACGIH A3 - Confirmed animal carcinogen with unknown relevance to humans (related to Cobalt, inorganic compounds)

Carbon black (1333-86-4)

ACGIH A4 - Not Classifiable as a Human Carcinogen
IARC Monograph 65, 1996

Lead compounds (Multiple)

ACGIH A3 - Confirmed animal carcinogen with unknown relevance to humans
IARC Monograph 87, 2004
IARC Supplement 7, 1987 (Listed under Lead and Lead compounds)

* * * Section 12 - Ecological Information * * *

Ecotoxicity

A: General Product Information

No information available for product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Propylene glycol (57-55-6)

24 Hr LC50 goldfish: >5000 mg/L; 48 Hr LC50 guppy: >10000 mg/L
30 min EC50 Photobacterium phosphoreum: 710 mg/L
48 Hr EC50 water flea: >10000 mg/L

Diethylene glycol monobutyl ether (112-34-5)

96 Hr LC50 bluegill: 1300 mg/L (static); 24 Hr LC50 goldfish: 2700 mg/L
24 Hr LC50 water flea: 2850 mg/L

Silica, amorphous (Multiple)

72 Hr LC50 carp: >10000 mg/L

Copper compounds (Multiple)

96 Hr LC50 fathead minnow: 23 µg/L; 96 Hr LC50 rainbow trout: 13.8 µg/L; 96 Hr LC50 bluegill: 236 µg/L
72 Hr EC50 freshwater algae (Scenedesmus subspicatus): 120 µg/L
96 Hr LC50 water flea: 10 µg/L; 96 Hr LC50 water flea: 200 µg/L

Environmental Fate

No information available for product.

* * * Section 13 - Disposal Considerations * * *

Disposal Instructions

Reuse or recycle material whenever possible. Waste may be disposed of at a hazardous waste incinerator.
Have soiled rags cleaned for reuse. Otherwise, dispose of via a licensed disposal company.

US EPA Waste Number & Descriptions

A: General Product Information

RCRA Hazardous Waste No.: D001. TCLP leachate testing is recommended for chromium and lead.

B: Component Waste Numbers

RCRA waste codes other than described under Section A may apply depending on use of product. Refer to 40 CFR 261 or state equivalent in the U.S.

Material Safety Data Sheet

Product Name: TOUCH-UP PAINT WBTU

ID: 908

*** Section 14 - Transportation Information ***

Special Transportation

	PSN #1	PSN #2	PSN #3	PSN #4
Notes:	(1)	(2)		
Proper Shipping Name:	Paint	Consumer commodity		
Hazard Class:	3	ORM-D		
UN NA Number:	UN 1263	-		
Packing Group:	III	-		
RQ:	-	-		
Other - Tech Name:	-	-		
Other - Marine Pollutant:	-	-		

Notes:

- (1) Classification applicable all shipments by air.
- (2) Classification applicable to U.S. domestic shipments by ground.

Canadian TDG Hazard Class & PIN:	3, UN 1263
----------------------------------	------------

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

In reference to Title VI of the Clean Air Act of 1990, this material does not contain nor was it manufactured using ozone-depleting chemicals.

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Diethylene glycol monobutyl ether (112-34-5)

SARA 313: 1.0 % de minimis concentration (applies to R-(OCH₂CH₂)_n-OR', where n = 1,2, or 3, R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate, Chemical Category N230) (related to Glycol ethers)

Copper compounds (Multiple)

SARA 313: 1.0 % de minimis concentration

Chromium (III) compounds (Multiple)

SARA 313: 0.1 % de minimis concentration (except for chromite ore mined in the Transvaal Region of South Africa and the unreacted ore component of the chromite ore processing residue (COPR). Chemical Category N090) (related to Chromium (III) Compounds)

Antimony compounds (Multiple)

SARA 313: 1.0 % de minimis concentration (Chemical Category N010) (related to Antimony compounds)

Lead compounds (Multiple)

SARA 313: 0.1 % Supplier notification limit (Chemical Category N420)

SARA 311/312 Physical and Health Hazard Categories:

Immediate (acute) Health Hazard: Yes
Delayed (chronic) Health Hazard: Yes
Fire Hazard: Yes
Sudden Release of Pressure: No
Reactive: No

State Regulations

A: General Product Information

Chemical(s) known to the State of California to cause cancer: Lead and lead compounds; Nickel compounds; Silica, crystalline (airborne particles of respirable size)

Material Safety Data Sheet

Product Name: TOUCH-UP PAINT WBTU

ID: 908

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Propylene glycol	57-55-6	No	No	No	Yes	No	Yes
Diethylene glycol monobutyl ether (*related to Glycol ethers)	112-34-5	No	No	No	No	No	Yes ¹
Talc	14807-96-6	Yes	No	Yes	Yes	Yes	Yes
Silica, crystalline, quartz	14808-60-7	No	No	Yes	Yes	Yes	Yes
Silica, crystalline, cristobalite	14464-46-1	No	No	Yes	Yes	Yes	Yes
Silica, amorphous	Multiple	No	No	No	Yes	No	No
Titanium dioxide	13463-67-7	No	No	Yes	Yes	Yes	Yes
Copper compounds	Multiple	Yes	No	Yes	Yes	Yes	Yes
Chromium (III) compounds (*related to Chromium (III))	Multiple	No	No	Yes	Yes ¹	Yes	No
Antimony compounds (*related to Antimony compounds)	Multiple	Yes ¹	No	No	Yes ¹	No	Yes ¹
Nickel compounds (*related to Nickel insoluble compounds)	Multiple	No	No	No	Yes ¹	No	No
Iron oxide	1309-37-1	Yes	No	Yes	Yes	Yes	Yes
Cobalt compounds (*related to Cobalt, inorganic compounds)	Multiple	No	No	No	Yes ¹	No	No
Carbon black	1333-86-4	Yes	No	Yes	Yes	Yes	Yes
Lead compounds	Multiple	No	No	No	Yes	No	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

Other Regulations

A: General Product Information

Material meets the criteria for inclusion in WHMIS Class B3, D2A and D2B.

B: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Propylene glycol	57-55-6	1 % (English Item 1362, French Item 1454)
Diethylene glycol monobutyl ether	112-34-5	1 % (English Item 581, French Item 814)
Silica, crystalline, quartz	14808-60-7	1 % (English Item 1406, French Item 1491)
Silica, crystalline, cristobalite	14464-46-1	1 % (English Item 1405, French Item 1490)
Copper compounds	Multiple	1 % (English Item 433, French Item 578)
Chromium (III) compounds	Multiple	1 % (English Item 400, French Item 1304)
Antimony compounds	Multiple	1 % (English Item 121, French Item 250) (related to Antimony compounds, n.o.s.)
Nickel compounds	Multiple	1 % (English Item 1143, French Item 1192) (related to Nickel, water-insoluble compounds, n.o.s.)
Iron oxide	1309-37-1	1 % (English Item 762, French Item 1327)
Carbon black	1333-86-4	1 % (English Item 309, French Item 1271)
Lead compounds	Multiple	1 % (English Item 940, French Item 1434)

Material Safety Data Sheet

Product Name: TOUCH-UP PAINT WBTU

ID: 908

C: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS	AUST.	MITI
Water	7732-18-5	Yes	Yes	Yes	Yes	No
Propylene glycol	57-55-6	Yes	Yes	Yes	Yes	Yes
Diethylene glycol monobutyl ether	112-34-5	Yes	Yes	Yes	Yes	Yes
Dipropylene glycol	110-98-5	Yes	Yes	Yes	Yes	Yes
Talc	14807-96-6	Yes	Yes	Yes	Yes	No
Silica, crystalline, quartz	14808-60-7	Yes	Yes	Yes	Yes	Yes
Silica, crystalline, cristobalite	14464-46-1	Yes	Yes	Yes	Yes	Yes
Silica, amorphous	Multiple	Yes	No	No	Yes	No
Titanium dioxide	13463-67-7	Yes	Yes	Yes	Yes	Yes
Copper compounds	Multiple	Yes	Yes	Yes	Yes	No
Chromium (III) compounds	Multiple	Yes	Yes	Yes	Yes	Yes
Antimony compounds	Multiple	Yes	Yes	Yes	Yes	No
Nickel compounds	Multiple	Yes	Yes	Yes	Yes	Yes
Iron oxide	1309-37-1	Yes	Yes	Yes	Yes	Yes
Cobalt compounds	Multiple	Yes	Yes	Yes	Yes	No
Carbon black	1333-86-4	Yes	Yes	Yes	Yes	Yes

*** Section 16 - Other Information ***

MSDS History

Original: August 15, 1994
Supersedes: December 18, 2007
Revised: March 2, 2011

MSDS Status

03/02/11: Changes to section 1, manufacturer name, address and phone number.
12/18/07: Changes to section 1, manufacturer name, address and phone number.
07/17/07: Changes to section 1, manufacturer name, address and phone number.
08/31/05: Reviewed on a periodic basis in accordance with Alcoa policy.
Changes in Sections 1, 2, 3, 4, 8, 9, 10, 11, 12, 13 and 15.
09/23/03: Changes in Sections 1 and 15.

Prepared By

Preparer: Jesse D. Aiken, 937-498-6117

Other Information

- * NFPA 30, Flammable and Combustible Liquids Code
- * NFPA 321, Standard on Basic Classification of Flammable and Combustible Liquids.
- * Guide to Occupational Exposure Values-2005, Compiled by the American Conference of Governmental Industrial Hygienists (ACGIH).
- * Documentation of the Threshold Limit Values and Biological Exposure Indices, Sixth Edition, 1991, Compiled by the American Conference of Governmental Industrial Hygienists, Inc. (ACGIH).
- * NIOSH Pocket Guide to Chemical Hazards, U.S. Department of Health and Human Services, June 1994.
- * Patty's Industrial Hygiene and Toxicology: Volume II: Toxicology, 4th ed., 1994, Patty, F. A.; edited by Clayton, G. D. and Clayton, F. E.: New York: John Wiley & Sons, Inc.
- * Integrated Index(R), MICROMEDEX, Inc., 2005

Material Safety Data Sheet

Product Name: TOUCH-UP PAINT WBTU

ID: 908

Key-Legend:

ACGIH	American Conference of Governmental Industrial Hygienists
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CPR	Cardio-pulmonary Resuscitation
DOT	Department of Transportation
DSL	Domestic Substances List (Canada)
EC	Effective Concentration
ED	Effective Dose
EINECS	European Inventory of Existing Commercial Chemical Substances
EPA	Environmental Protection Act
IARC	International Agency for Research on Cancer
LC ₅₀	Lethal concentration (50 percent kill)
LC _{Lo}	Lowest published lethal concentration
LD ₅₀	Lethal dose (50 percent kill)
LD _{Lo}	Lowest published lethal dose
LFL	Lower Flammable Limit
MITI	Ministry of International Trade & Industry
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PIN	Product Identification Number
PSN	Proper Shipping Name
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short Term Exposure Limit
TCLP	Toxic Chemicals Leachate Program
TDG	Transportation of Dangerous Goods
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average
UFL	Upper Flammable Limit
WHMIS	Workplace Hazardous Materials Information System
atm	atmosphere
cm	centimeter
g, gm	gram
in	inch
kg	kilogram
lb	pound
m	meter
mg	milligram
ml, ML	milliliter
mm	millimeter
mppcf	million particles per cubic foot
n.o.s.	not otherwise specified
ppb	parts per billion
ppm	parts per million
psia	pounds per square inch absolute
u	micron
ug	microgram

INFORMATION HEREIN IS GIVEN IN GOOD FAITH AS AUTHORITATIVE AND VALID; HOWEVER, NO WARRANTY, EXPRESS OR IMPLIED, CAN BE MADE.

This is the end of MSDS # 908