

SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

Product ID: .44831
Product Name: INDUSTRIAL SHOP PRIMER - RAPID-DRYING WHITE
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Version: 2.0 **Supersedes Date:** Feb 06, 2023
Manufacturer's Name: Repolite Paints, Inc.
Address: 473 West 17th Street Holland, MI, US, 49423
Emergency Phone: 800-535-5053
Information Phone Number: 616-396-1275
Fax: 616-396-9654

SECTION 2) HAZARDS IDENTIFICATION

Classification

Flammable Liquids - Category 2
 Acute toxicity Oral - Category 5
 Aspiration Hazard - Category 1
 Carcinogenicity - Category 1B
 Eye Irritation - Category 2A
 Germ Cell Mutagenicity - Category 1B
 Reproductive Toxicity - Category 2
 Skin Irritation - Category 2
 Specific Target Organ Toxicity - Repeated Exposure - Category 2
 Acute aquatic toxicity - Category 2
 Chronic aquatic toxicity - Category 3

Safety data sheet prepared in accordance to the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Pictograms



Signal Word

Danger

Hazardous Statements - Physical

H225 - Highly flammable liquid and vapor

Hazardous Statements - Health

H303 - May be harmful if swallowed

H304 - May be fatal if swallowed and enters airways

H350 - May cause cancer
H319 - Causes serious eye irritation
H340 - May cause genetic defects.
H361 - Suspected of damaging fertility or the unborn child
H315 - Causes skin irritation
H373 - May cause damage to organs through prolonged or repeated exposure.

Hazardous Statements - Environmental

H401 - Toxic to aquatic life
H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.

Precautionary Statements - Prevention

P273 - Avoid release to the environment.
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves, protective clothing, eye protection/face protection.
P264 - Wash thoroughly after handling.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting equipment.
P242 - Use only non-sparking tools.
P243 - Take action to prevent static discharges.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

Precautionary Statements - Response

P312 - Call a POISON CENTER/doctor if you feel unwell.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 - Do NOT induce vomiting.
P308 + P313 - IF exposed or concerned: Get medical advice/attention.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P370 + P378 - In case of fire: Use dry chemical, foam, or carbon dioxide to extinguish.
P302 + P352 - IF ON SKIN: Wash with plenty of water.
P321 - For specific treatment see section 4.
P332 + P313 - If skin irritation occurs: Get medical advice/attention.
P362 + P364 - Take off contaminated clothing. And wash it before reuse.
P314 - Get Medical advice/attention if you feel unwell.

Precautionary Statements - Storage

P405 - Store locked up.
P403 + P235 - Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal

P501 - Dispose of contents/container to disposal recycling center. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Acute toxicity of 12.1% of the mixture is unknown

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0001317-65-3	CALCIUM CARBONATE	40% - 67%
0000108-88-3	TOLUENE	6% - 15%
0001330-20-7	XYLENE	5% - 12%
0013463-67-7	TITANIUM DIOXIDE	4% - 10%
0000616-38-6	CARBONIC ACID, DIMETHYL ESTER	1.7% - 4%
0000107-87-9	METHYL PROPYL KETONE	1.2% - 3%
0000100-41-4	ETHYLBENZENE	0.1% - 3%
0007631-86-9	SILICA, AMORPHOUS	0.0% - 0.7%
0021645-51-2	ALUMINUM HYDROXIDE	0.0% - 0.7%
0001335-30-4	ALUMINUM SILICATE HYDRATE	0.0% - 0.5%
0022464-99-9	ZIRCONIUM OCTOATE	0.0% - 0.4%
0064742-82-1	NAPHTHA (PETROLEUM) HYDRODESULFURIZED	0.0% - 0.3%
0008052-41-3	STODDARD SOLVENT	Trace
0000136-52-7	COBALT OCTATE	Trace
0000096-29-7	2-BUTANONE OXIME	Trace
0000071-43-2	BENZENE	Trace
0000136-51-6	CALCIUM 2-ETHYLHEXANOATE	Trace
0000077-99-6	1,3-PROPANEDIOL, 2-ETHYL-2 (HYDROXYMETHYL)-	Trace
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	Trace
0000111-46-6	DIETHYLENE GLYCOL	Trace
0000107-98-2	PROPYLENE GLYCOL MONOMETHYL ETHER	Trace
0000366-18-7	2,2'-BIPYRIDYL	Trace
0014808-60-7	SILICA, CRYSTALLINE	Trace

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing.

If exposed or unwell : Call a POISON CENTER/doctor

Skin Contact

Take off immediately contaminated clothing. Rinse skin with water/shower and mild soap for 5 minutes or until product is removed. Store contaminated clothing under water and wash before re-use or discard.

Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth. If you feel unwell or are concerned : Get medical advice/attention.

Most important symptoms and effects, both acute and delayed

No data available.

Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, foam, or carbon dioxide is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

Unsuitable Extinguishing Media

No data available.

Specific Hazards Arising from the Chemical

Vapors are heavier than air and may travel along the ground to ignition sources at locations distant from material handling point.

Vapor accumulations and spray mist may flash or explode if ignited.

Closed containers may rupture due to pressure buildup when exposed to extreme heat.

Dried solids can burn.

Precautions for Firefighters

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

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

Special Protective Equipment

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Do not touch or walk through spilled material.

Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

Protective Equipment

Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

Personal Precautions

Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning up

Absorb spill with inert absorbent.

Dike area to contain spill.

SECTION 7) HANDLING AND STORAGE

Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous.

Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Ground and bond containers and receiving equipment. Avoid static electricity by grounding.

General

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

Eye protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

A suitable, NIOSH-approved respirator and goggles should be worn when sanding or grinding objects coated with this paint.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA Skin designation	ACGIH TWA (ppm)
ALUMINUM HYDROXIDE								
ALUMINUM SILICATE HYDRATE								
BENZENE	1 (a) / 25ceiling		50(a)/ 10minutes.		1	1		0.5
CALCIUM CARBONATE		[15]; [5 (a)];			1			
ETHYLBENZENE	100	435			1			20
ETHYLENE GLYCOL MONOBUTYL ETHER	50	240			1		1	20
METHYL PROPYL KETONE	200	700			1			
NAPHTHA (PETROLEUM) HYDRODESULFURIZED	500	2000			1			(L)

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA Skin designation	ACGIH TWA (ppm)
PROPYLENE GLYCOL MONOMETHYL ETHER								50
SILICA, AMORPHOUS	20 (b)	80 mg/m3 percent SiO2+2			1,3			
SILICA, CRYSTALLINE	a	[10 mg/m3 percent SiO2+2 / 250 percent SiO2+5 mppcf]; [30 mg/m3 percent SiO2+2];			[1,3]; [3];			
STODDARD SOLVENT	500	2900			1			100
TITANIUM DIOXIDE		15			1			
TOLUENE	200 (a)/ 300 ceiling	0.2	500ppm /10 minutes (a)		1,2			20
XYLENE	100	435			1			20
ZIRCONIUM OCTOATE		5			1			

Chemical Name	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis
ALUMINUM HYDROXIDE	1 (R)			A4	A4	Pneumoconiosis; LRT irr; neurotoxicity
ALUMINUM SILICATE HYDRATE	1 (R)			A4	A4	Pneumoconiosis; LRT irr; neurotoxicity
BENZENE		2.5		A1	Skin; A1; BEI	Leukemia
CALCIUM CARBONATE						
ETHYLBENZENE				A3	OTO;BEI	URT & eye irr; ototoxicity; kidney eff; CNS impair
ETHYLENE GLYCOL MONOBUTYL ETHER				A3	A3; BEI	Eye & URT irr
METHYL PROPYL KETONE		150				Plum func; eye irr
NAPHTHA (PETROLEUM) HYDRODESULFURIZED	[(L)]; [5 (I)];			[A2]; [A4];	[A2]; [A4];	URT irr
PROPYLENE GLYCOL MONOMETHYL ETHER		100		A4	A4	Eye & URT irr
SILICA, AMORPHOUS						
SILICA, CRYSTALLINE	0.025 (R)			A2	A2	Pulmonary fibrosis; lung cancer
STODDARD SOLVENT	[(L)]; [5 (I)];			[A2]; [A4];	[A2]; [A4];	Eye, skin, & kidney dam; nausea; CNS impair

Chemical Name	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis
TITANIUM DIOXIDE	0.2 (R)(Nano), 2.5 (R)			A3		LRT irr; pneumoconiosis
TOLUENE				A4	OTO; A4; BEI	CNS, visual, & hearing impair; female repro system eff; pregnancy loss
XYLENE						Eye irr & URT irr, hemotologic effects; CNS impair
ZIRCONIUM OCTOATE	5		10	A4	A4	Resp irr

(L) - Exposure by all routes should be carefully controlled to levels as low as possible, (R) - Respirable fraction, A1 - Confirmed Human Carcinogen, A2 - Suspected Human Carcinogen, A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, A4 - Not Classifiable as a Human Carcinogen, BEI - Substances for which there is a Biological Exposure Index or Indices, CNS - Central nervous system, dam - Damage, eff - Effects, func - Function, impair - Impairment, irr - Irritation, LRT - Lower respiratory tract, repro - reproductive, resp - respiratory , URT - Upper respiratory tract

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	13.43950 lb/gal
% Solids By Weight	74.21370%
% VOC	22.91100%
Density VOC	3.07913 lb/gal
VOC Regulatory	3.21270 lb/gal
VOC Regulatory	384.97800 g/l
Appearance	N/A
Odor Threshold	N/A
Odor Description	N/A
pH	N/A
Water Solubility	N/A
Flammability	N/A
Flash Point Symbol	N/A
Flash Point	N/A
Viscosity	N/A
Lower Explosion Level	N/A
Upper Explosion Level	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Freezing Point	N/A
Melting Point	N/A
Low Boiling Point	N/A
High Boiling Point	N/A
Auto Ignition Temp	N/A
Decomposition Pt	N/A
Evaporation Rate	N/A

SECTION 10) STABILITY AND REACTIVITY**Chemical Stability**

Stable.

Possibility of Hazardous Reactions/Polymerization

No data available.

Conditions To Avoid

Excessive heat.

Incompatible Materials

Strong oxidizers.

Hazardous Decomposition Products

May produce fumes when heated to decomposition.

Fumes may contain carbon monoxide and carbon dioxide.

SECTION 11) TOXICOLOGICAL INFORMATION**Likely route of exposure**

Ingestion, Inhalation, Skin absorption

Skin Corrosion/Irritation

Causes skin irritation

0000107-98-2 PROPYLENE GLYCOL MONOMETHYL ETHER

The substance and the vapour in high concentrations can be irritating to the skin.

0000108-88-3 TOLUENE

Contact can irritate the skin.

0000111-46-6 DIETHYLENE GLYCOL

May cause mild skin irritation.

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

Can irritate the skin.

May affect the central nervous system, blood, kidneys and liver. Exposure can cause headache, dizziness and lightheadedness.

Serious Eye Damage/Irritation

Causes serious eye irritation

0000107-98-2 PROPYLENE GLYCOL MONOMETHYL ETHER

The substance and the vapour in high concentrations can be irritating to the eyes.

0000108-88-3 TOLUENE

Contact can irritate the eyes.

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

Can irritate the eyes.

Can irritate the skin.

Respiratory/Skin Sensitization

0000107-98-2 PROPYLENE GLYCOL MONOMETHYL ETHER

The substance and the vapour in high concentrations can be irritating to the respiratory tract.

0000108-88-3 TOLUENE

Inhaling can irritate the nose and throat.

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

Can irritate the eyes.

Can irritate the respiratory tract.

Germ Cell Mutagenicity

May cause genetic defects.

Carcinogenicity

May cause cancer

Reproductive Toxicity

Suspected of damaging fertility or the unborn child

0000107-98-2 PROPYLENE GLYCOL MONOMETHYL ETHER

The NOAEL for paternal toxicity is 300 ppm and for offspring toxicity is 1000 ppm. The NOAEL for maternal and fetotoxicity was considered to be 1500 ppm. Effects appear secondary to parental weight loss.

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

Can irritate the respiratory tract.

Specific Target Organ Toxicity - Single Exposure

0000107-98-2 PROPYLENE GLYCOL MONOMETHYL ETHER

Exposure to very high concentrations could cause depression of the central nervous system.

0000108-88-3 TOLUENE

May affect the nervous system causing headache, dizziness and passing out.

0000111-46-6 DIETHYLENE GLYCOL

Ingestion may cause effects on the central nervous system, the liver, and the kidneys (including kidney impairment).

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

May affect the central nervous system, blood, kidneys and liver. Exposure can cause headache, dizziness and lightheadedness.

Specific Target Organ Toxicity - Repeated Exposure

May cause damage to organs through prolonged or repeated exposure.

0000107-98-2 PROPYLENE GLYCOL MONOMETHYL ETHER

The substance defats the skin, which may cause dryness or cracking. Prolonged exposure to vapors may cause coughing, shortness of breath, dizziness and intoxication.

0000108-88-3 TOLUENE

Repeated exposure may cause liver, kidney and brain damage.

Chronic Exposure

0000100-41-4 ETHYLBENZENE

CARCINOGENIC EFFECTS: Ethyl Benzene has been listed by IARC as Group 2B, Possibly Carcinogenic to Humans.

TERATOGENIC EFFECTS: Ethyl Benzene has been Classified as POSSIBLE for humans.

0000108-88-3 TOLUENE

TERATOGENIC EFFECTS: Toluene has been Classified as POSSIBLE for humans.

0001330-20-7 XYLENE

High exposure to Xylenes in some animal studies have been reported to cause health effects on the developing embryo/fetus.

Xylene in high concentrations has caused embryotoxic effects in laboratory animals.

0014808-60-7 SILICA, CRYSTALLINE

Prolonged inhalation of respirable crystalline silica dust can result in lung disease (i.e. silicosis and/or lung cancer). Symptoms include coughing, shortness of breath, wheezing and reduced pulmonary function.

Aspiration Hazard

May be fatal if swallowed and enters airways

Potential Health Effects - Miscellaneous

0000100-41-4 ETHYLBENZENE

Is an IARC, NTP or OSHA carcinogen. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, kidneys, liver, lungs. Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproductive, embryotoxic and developmental effects. WARNING: This chemical is known to the State of California to cause cancer.

0000107-87-9 METHYL PROPYL KETONE

May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. May cause any of the following central nervous system effects: drowsiness. May cause eye irritation with discomfort, tearing, or blurred vision.

0000107-98-2 PROPYLENE GLYCOL MONOMETHYL ETHER

Tests in laboratory animals have shown effects on any of the following organs/systems: kidneys, liver. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

0000108-88-3 TOLUENE

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, kidneys, liver, respiratory system, skin. Can be absorbed through the skin in harmful amounts. Recurrent overexposure may result in liver and kidney injury. High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

Can be absorbed through the skin in harmful amounts. May cause injury to the kidneys, liver, blood and/or bone marrow. Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

0001330-20-7 XYLENE

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: bone marrow, cardiovascular system, central nervous system, kidneys, liver, lungs. Recurrent overexposure may result in liver and kidney injury. High exposures may produce irregular heart beats. Canada classifies Xylene as a developmental toxin as high exposures to xylenes in some animal studies have been reported to cause health effects on the developing fetus/embryo. These effects were often at levels toxic to the adult animal. The significance of these effects to humans is not known. Repeated or prolonged skin contact may cause any of the following: irritation, dryness, cracking of the skin.

0013463-67-7 TITANIUM DIOXIDE

Is an IARC, NTP or OSHA carcinogen. In a lifetime inhalation test, lung cancers were found in some rats exposed to 250 mg/m³ respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m³ level are not relevant to the workplace. Results of a DuPont epidemiology study showed that employees who had been exposed to Titanium Dioxide were at no greater risk of developing lung cancer than were employees who had not been exposed to Titanium dioxide. No pulmonary fibrosis was found in any of the employees and no association was observed between Titanium dioxide exposure and chronic respiratory disease or x-ray abnormalities. Based on the results of this study DuPont concludes that titanium dioxide will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.

0014808-60-7 SILICA, CRYSTALLINE

Is an IARC, NTP or OSHA carcinogen. Repeated overexposure to crystalline silica may lead to x-ray changes and chronic lung disease. Inhalation of high dust concentrations may cause: breathing difficulties, lung injury. WARNING: This chemical is known to the State of California to cause cancer.

Acute Toxicity

May be harmful if swallowed

0000111-46-6 DIETHYLENE GLYCOL

Ingestion can lead to death.

Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

0000108-88-3 TOLUENE

The substance can be absorbed into the body by inhalation, through the skin and by ingestion.

0000111-46-6 DIETHYLENE GLYCOL

Ingestion.

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

The substance can be absorbed into the body by inhalation, through the skin and by ingestion.

0000107-98-2 PROPYLENE GLYCOL MONOMETHYL ETHER

The substance can be absorbed into the body by inhalation of its aerosol or vapour, through the skin and by ingestion.

0000100-41-4 ETHYLBENZENE

LC50 (inhalation, rat): 4000 ppm; 4-hour exposure (3)

LD50 (oral, rat): 3.5 g/kg (1,3,5,10)

LD50 (oral, rat): 4.72 g/kg (3,5,7,8)

LD50 (dermal, rabbit): 17.8 g/kg (11)

0000107-87-9 METHYL PROPYL KETONE

LD50 (oral, rat): 3017 mg/kg (cited as 3.73 mL/kg) (10)
LD50 (dermal, rabbit): 6472 mg/kg (cited as 8.00 mL/kg) (10)

0000107-98-2 PROPYLENE GLYCOL MONOMETHYL ETHER

LC50 (rat): 15000 ppm; 4-hr exposure (2)
LC50 (guinea pig): 15000 ppm; 10-hr exposure (2)

LD50 (oral, rat): 6.6 g/kg (5.2-7.5 g/kg) (10)
LD50 (oral, mouse): 10.7-10.8 g/kg (2,12)
LD50 (oral, dog): 4.6-5.5 g/kg (2); approximately 9.2 g/kg (2)
LD50 (oral, rabbit): 5.2-5.3 g/kg (2,12)
LD50 (dermal, rabbit): 13-14 g/kg (10)

0000108-88-3 TOLUENE

LC50 (rat): 8800 ppm (4-hour exposure) (2)
LC50 (rat): 6000 ppm (6-hour exposure) (3)
LD50 (oral, rat): 2600 to 7500 mg/kg (3,5,11,17)
LD50 (oral, neonatal rat): less than 870 mg/kg (3)
LD50 (dermal, rabbit): 12,225 mg/kg (reported as 14.1 mL/kg) (1)

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

LC50 (female rat): 450 ppm (4-hour exposure) (2)
LC50 (male rat): 486 ppm (4-hour exposure) (2)
LD50 (oral, male weanling rat): 3000 mg/kg (1)
LD50 (oral, 6-week old male rat): 2400 mg/kg (1)
LD50 (oral, yearling male rat): 560 mg/kg (1)
LD50 (oral, female rat): 530 mg/kg; 2500 mg/kg (1) LD50 (oral, male mouse): 1230 mg/kg (1)
LD50 (oral, rabbit): 320 mg/kg (1)
LD50 (dermal, male rabbit): 406 mg/kg (cited as 0.45 mL/kg) (1)

0001317-65-3 CALCIUM CARBONATE

LD50 (oral, rat): 6450 mg/kg (10; unconfirmed)

0001330-20-7 XYLENE

LC50 (rat): 6350 ppm (4-hour exposure) (unspecified isomers and ethylbenzene) (1) LC50 (rat): 6700 ppm (4-hour exposure) (65% m-xylene, 7.6% o-xylene, 7.8% p-xylene, 19.3% ethylbenzene) (2) ethylbenzene) (1)
LC50 (rat): 6700 ppm (4-hour exposure) (65% m-xylene, 7.6% o-xylene, 7.8% p-xylene, 19.3% ethylbenzene) (2)
LD50 (oral, rat): 5400 mg/kg (52% m-, 19% o-, 24% p-) (1) LD50 (oral, female mouse): 5251 mg/kg (60.2% m-, 9.1% o-, 14.6% p-, 17.0% ethylbenzene) (4)
LD50 (oral, male mouse): 5627 mg/kg (60.2% m-, 9.1% o-, 14.6% p-, 17.0% ethylbenzene) (4)
LD50 (dermal, rabbit): 12180 mg/kg (m-xylene); greater than 1700 mg/kg (mixed xylenes - undefined composition) (3)
LD50 (oral, female mouse): 5251 mg/kg (60.2% m-, 9.1% o-, 14.6% p-, 17.0% ethylbenzene) (4)
LD50 (oral, male mouse): 5627 mg/kg (60.2% m-, 9.1% o-, 14.6% p-, 17.0% ethylbenzene) (4)
LD50 (dermal, rabbit): 12180 mg/kg (m-xylene); greater than 1700 mg/kg (mixed xylenes - undefined composition) (3)

0008052-41-3 STODDARD SOLVENT

LC50 (rat): greater than 5500 mg/m3 (880 ppm) (whole body exposure for 4 hours) (1)
LC50 (rat): greater than 8200 mg/m3 (1300 ppm) (2)
LD50 (oral, rat): greater than 5 g/kg (1)
LD50 (dermal, rabbit): greater than 3 g/kg (1)

0013463-67-7 TITANIUM DIOXIDE

LC50 (inhalation, Rat): >5.09 mg/L ; 4-hr exposure
Test atmosphere: dust/mist
No mortality observed at this dose.
LD50 Rat: > 5000 mg/kg

LD50 Hamster: > 10000 mg/kg

0000071-43-2 BENZENE

LC50 (rat): 13,700 ppm (4 hour exposure) (26); 9,980 ppm (7 hour exposure) (13,200 ppm - equivalent 4 hour exposure) (18)
LD50 (oral, rat): 930 mg/kg (19); 5,600 mg/kg (2); 11.4 mL/kg (10,032 mg/kg) (21)
LD50 (oral, mouse): 4,700 mg/kg (11; unconfirmed)
LD50 (skin, rabbit and guinea pig): Greater than 9,400 mg/kg (20)

SECTION 12) ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life

Harmful to aquatic life with long lasting effects

Persistence and Degradability

0000107-98-2 PROPYLENE GLYCOL MONOMETHYL ETHER

Readily biodegradable in water. Half-life in air = 3.1 hours.

0000111-46-6 DIETHYLENE GLYCOL

Readily biodegradable.

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

Readily biodegradable

Readily biodegradable.

0001330-20-7 XYLENE

50% of applied radiolabelled o-xylene was mineralised in 23 days, and 50% p-xylene was mineralised in 13 days.

Bioaccumulative Potential

0000111-46-6 DIETHYLENE GLYCOL

Bioaccumulation is not expected.

Mobility in Soil

No data available.

Other Adverse Effects

No data available.

Results of the PBT and vPvB assessment

0000107-98-2 PROPYLENE GLYCOL MONOMETHYL ETHER

The substance is not PBT / vPvB.

0000111-46-6 DIETHYLENE GLYCOL

The substance is not PBT / vPvB.

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

The substance is not PBT / vPvB.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information

Proper Shipping Name: PAINT
Identification Number : UN/NA 1263
Hazard Class:3
Packing group: II

IMDG Information

Proper Shipping Name: PAINT
Identification Number : UN/NA 1263
Hazard Class:3
Packing group: II
Marine Pollutant : No data available

IATA Information

Proper Shipping Name: PAINT
 Identification Number : UN/NA 1263
 Hazard Class:3
 Packing group: II

SECTION 15) REGULATORY INFORMATION**REGULATORY INFORMATION**

TSCA Inventory: All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

Canada Domestic Substances List: All components of this product are listed on the Domestic Substances List

CAS	Chemical Name	% By Weight	Regulation List
0001317-65-3	CALCIUM CARBONATE	40% - 67%	SARA312
proprietary	alkyd resin	7% - 16%	SARA312
0000108-88-3	TOLUENE	6% - 15%	SARA313, DSL - Domestic Substance List, HAPS, SARA312, WI_Nr438 - WI_Nr438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS, CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Develop - CA_Proposition65_Type_Toxicity_Developmental
0001330-20-7	XYLENE	5% - 12%	SARA313, DSL - Domestic Substance List, HAPS, SARA312, WI_Nr438 - WI_Nr438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS
0013463-67-7	TITANIUM DIOXIDE	4% - 10%	DSL - Domestic Substance List, SARA312, CA_Carcinogen, CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer
0000616-38-6	CARBONIC ACID, DIMETHYL ESTER	1.7% - 4%	DSL - Domestic Substance List, SARA312
0000107-87-9	METHYL PROPYL KETONE	1.2% - 3%	DSL - Domestic Substance List, SARA312
0000100-41-4	ETHYLBENZENE	0.1% - 3%	SARA313, DSL - Domestic Substance List, HAPS, SARA312, CA_Carcinogen, WI_Nr438 - WI_Nr438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS, CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer
0007631-86-9	SILICA, AMORPHOUS	0.0% - 0.7%	DSL - Domestic Substance List, SARA312
0021645-51-2	ALUMINUM HYDROXIDE	0.0% - 0.7%	DSL - Domestic Substance List, SARA312
0001335-30-4	ALUMINUM SILICATE HYDRATE	0.0% - 0.5%	DSL - Domestic Substance List, SARA312
0022464-99-9	ZIRCONIUM OCTOATE	0.0% - 0.4%	DSL - Domestic Substance List, SARA312, WI_Nr438 - WI_Nr438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS
0064742-82-1	NAPHTHA (PETROLEUM) HYDRODESULFURIZED	0.0% - 0.3%	DSL - Domestic Substance List, SARA312
0008052-41-3	STODDARD SOLVENT	Trace	DSL - Domestic Substance List, SARA312, WI_Nr438 - WI_Nr438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS
0000136-52-7	COBALT OCTATE	Trace	SARA313, DSL - Domestic Substance List, HAPS, SARA312
0000096-29-7	2-BUTANONE OXIME	Trace	DSL - Domestic Substance List, SARA312
0000071-43-2	BENZENE	Trace	SARA313, DSL - Domestic Substance List, HAPS, SARA312, CA_TAC_Carcinogen, CA_Carcinogen, WI_Nr438 - WI_Nr438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS, CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer, CA_Prop65_Type_Toxicity_Develop - CA_Proposition65_Type_Toxicity_Developmental, CA_Prop65_Type_Toxicity_Male - CA_Proposition65_Type_Toxicity_Male
0000136-51-6	CALCIUM 2-ETHYLHEXANOATE	Trace	DSL - Domestic Substance List, SARA312
0000077-99-6	1,3-PROPANEDIOL, 2-ETHYL-2	Trace	DSL - Domestic Substance List, SARA312

	(HYDROXYMETHYL)-		
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	Trace	SARA313, DSL - Domestic Substance List, SARA312, CA_TAC_Carcinogen, WI_NR438 - WI_NR438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS
0000111-46-6	DIETHYLENE GLYCOL	Trace	DSL - Domestic Substance List, SARA312
0000107-98-2	PROPYLENE GLYCOL MONOMETHYL ETHER	Trace	DSL - Domestic Substance List, SARA312, WI_NR438 - WI_NR438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS
0000366-18-7	2,2'-BIPYRIDYL	Trace	DSL - Domestic Substance List, SARA312
0014808-60-7	SILICA, CRYSTALLINE	Trace	DSL - Domestic Substance List, SARA312, CA_Carcinogen, CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer

The information in this Section does not list non-hazardous components that might have relevant SARA312 regulatory values, if they are present at less than 1%. Please contact manufacturer for more information.



WARNING: This product can expose you to chemicals including TITANIUM DIOXIDE, which is known to the State of California to cause cancer, and TOLUENE, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

SECTION 16) OTHER INFORMATION

General

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

HMIS

Health	1 / 2
FLAMMABILITY	3
Physical Hazard	0
Personal Protection	X

(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks

Version 2.0:

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