



Premium High Build Primer (ONT.5200)

Safety Data Sheet ONT.5200

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Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product ID : 5200
Product Name : Premium High Build Primer
Product/Recommended Uses : A paint or paint constituent product.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier

MCGEHEE & MCGEHEE ENTERPRISES INC
120 SOUTH BOGGESS AVENUE
- USA
T (270) 338-4600 - F (270) 338-4602

1.4. Emergency telephone number

Emergency number : 1-800-424-9300 (CHEMTREC)

SECTION 2: Hazards identification

2.1 Classification

Specific Target Organ Toxicity -Single Exposure (Narcotic Effects) - Category 3

Specific Target Organ Toxicity - Repeated Exposure - Category 2

Aspiration Hazard - Category 1

Skin Irritation - Category 2

Eye Irritation - Category 2A

Respiratory Sensitizer (Solid/Liquid) - Category 1

Skin Sensitizer - Category 1

Carcinogenicity - Category 1A

Reproductive Toxicity - Category 1A

Flammable Liquids - Category 2

Flammables solids - Category 1

Chronic aquatic toxicity - Category 3

Acute aquatic toxicity - Category 2

Acute toxicity Oral - Category 4

2.2 Pictograms



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2.3 Signal Word

Danger

2.4 Hazardous Statements - Health

May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.
Causes skin irritation
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
May cause cancer.
May damage fertility or the unborn child.
Harmful if swallowed.

2.5 Hazardous Statements - Physical

Highly flammable liquid and vapor.
Flammable solid.

2.6 Hazardous Statements - Environmental

Very toxic to aquatic life.
Harmful to aquatic life with long lasting effects.

2.7 Precautionary Statements - General

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

2.8 Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Keep container tightly closed.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly/hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
In case of inadequate ventilation, wear respiratory protection.
Contaminated work clothing should not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid release to the environment.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical, ventilating, lighting equipment.
Use only non-sparking tools.
Take action to prevent static discharges.
Do not eat, drink or smoke when using this product.

2.9 Precautionary Statements - Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor, if you feel unwell.
Get Medical advice/attention if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTER or doctor.
Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of water.
Specific treatment (see first-aid on this label).

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If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing. And wash it before reuse.

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 experiencing respiratory symptoms: Call a POISON CENTER or doctor.

If skin irritation or a rash occurs: Get medical advice/attention.

IF exposed or concerned: Get medical advice/attention.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

In case of fire: Use carbon-dioxide, alcohol foam, water spray or dry chemical to extinguish.

IF SWALLOWED: Call a POISON CENTER or doctor, if you feel unwell.

Rinse mouth.

2.10 Precautionary Statements - Storage

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

Store locked up.

Store in a well-ventilated place. Keep cool.

2.11 Precautionary Statements - Disposal

Dispose of contents/container in accordance with local/national/international regulation. Under RCRA it is the responsibility of the user of the products 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.

2.12 Hazards Not Otherwise Classified (HNOC)

None

Acute toxicity of 19.62% of the mixture is unknown.

SECTION 3: Composition/Information on ingredients

CAS	CHEMICAL NAME	% BY WEIGHT
0014807-96-6	TALC	19% - 45%
NA_CHEMSPEC	Modified acrylic Copolymer	17% - 23%
0000108-88-3	TOLUENE	9% - 12%
0000078-93-3	METHYL ETHYL KETONE	9% - 12%
0001330-20-7	XYLENE	8% - 11%
0013463-67-7	TITANIUM DIOXIDE	6% - 9%
0001317-65-3	CALCIUM CARBONATE	4% - 5%
0001318-59-8	Chlorite	1% - 2%
0000100-41-4	ETHYLBENZENE	0.9% - 1%
0000117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.1% - 2%
0007631-86-9	SILICA, AMORPHOUS	0.1% - 1%
0112945-52-5	SILICA, AMORPHOUS FUMED	0.1% - 0.9%

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CAS	CHEMICAL NAME	% BY WEIGHT
0000149-57-5	2-ETHYLHEXANOIC ACID	0.0% - 0.6%
0014808-60-7	QUARTZ	0.0% - 0.2%
0000868-77-9	HYDROXYETHYL METHACRYLATE, 2-	0.0% - 0.2%
0000077-58-7	DIBUTYLIN DILAURATE	0.0% - 0.2%
0000108-65-6	PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	0 - 0.1%
0000123-86-4	BUTYL ACETATE	0 - 0.1%
0000080-62-6	METHYL METHACRYLATE	0 - 0.1%
0000100-42-5	STYRENE	0 - 0.1%
0007429-90-5	ALUMINUM	0 - 0.1%
0007440-39-3	BARIUM	0 - 0.1%
0007440-50-8	COPPER	0 - 0.1%
0007440-47-3	CHROMIUM	0 - 0.1%
0007440-02-0	NICKEL	0 - 0.1%
0007440-38-2	ARSENIC	0 - 0.1%
0007439-92-1	LEAD	0 - 0.1%
0007440-48-4	COBALT	0 - 0.1%

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

SECTION 4: First aid measures

4.1 Inhalation

Eliminate all ignition sources if safe to do so. Remove source of exposure or move person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor. If breathing has stopped, trained personnel should begin rescue breathing or, if the heart has stopped, immediately start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED). IF exposed or concerned: Get medical advice/attention.

4.2 Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a flushing duration of 15-20 minutes. If skin irritation occurs: Get medical advice/attention. Store clothing under water and wash clothing before re-use (or discard). IF exposed or concerned: Get medical advice/attention.

4.3 Eye Contact

Remove source of exposure. 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 a flushing duration of 30 minutes or until medical aid is available. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately call a POISON CENTER/doctor.

4.4 Ingestion

Rinse mouth. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position. IF exposed or concerned: Get medical advice/attention.

4.5 Most Important Symptoms and Effects, both Acute and Delayed

No data available.

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4.6 Indication of Any Immediate Medical Attention and Special Treatment Needed

No data available.

SECTION 5: Firefighting measures

5.1 Suitable Extinguishing Media

Dry chemical, foam, carbon dioxide water spray or fog is recommended. 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. Sand or earth may be used for small fires only.

5.2 Unsuitable Extinguishing Media

Do not use water jets.

5.3 Specific Hazards in Case of Fire

Can form explosive air mixtures.

Containers can explode in a fire. Highly flammable with toxic fumes. Give off toxic fumes at high temperatures.

Vapors are heavier than air and may settle in low places or spread a long distance to source of ignition and flash back.

5.4 Fire-Fighting Procedures

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.

5.5 Special Protective Actions

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

SECTION 6: Accidental release measures

6.1 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.

6.2 Recommended Equipment

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

6.3 Personal Precautions

Avoid breathing vapor. Avoid contact with skin, eye or clothing. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use explosive proof equipment. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

6.4 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.

6.5 Methods and Materials for Containment and Cleaning Up

Contain and collect spilled materials with non-combustible, absorbent material and place in a container for disposal according to local regulations. Dispose via a licensed waste disposal contractor. Contaminated absorbent material may pose the same physical hazards as the product.

Use non-sparking tools.

SECTION 7: Handling and storage

7.1 General

Wash hands after use.

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

Do not breathe vapors or mists.

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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.

7.2 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.

7.3 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 container 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.

Take precautionary measures against electrostatic discharge. To avoid fire or explosion, dissipate static electricity during transfer by ground and bonding containers and equipment before transferring material.

SECTION 8: Exposure controls/personal protection

8.1 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.

8.2 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.

8.3 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.

Use NIOSH approved air supplier full face piece or head covering respirator suitable for organic vapors/particulates as required.

8.4 Appropriate Engineering Controls

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

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	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH Carcinogen
2-ETHYLH EXONIC ACID												
ALUMINUM		[15]; [5];			1				2			
ARSENIC	a				1	1						1
BARIUM		0.5			1							
BIS (2-ETHYLH EXYL)PH THALATE		5			1				5a		10a	1
BUTYL ACETATE	150	710			1			150	710	200	950	
CALCIUM CARBONATE		[15]; [5 (a)];			1				10,5 a			
CHROMIUM		1			1				0.5			

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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	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH Carcinogen
COBALT		0.1			1				0.05			
COPPER		[0.1]; [1 (a)];			1				0.1,1a			
DIBUTYLIN DILAURATE		0.1 (a)			1							
ETHYL BENZENE	100	435			1			100	435	125	545	
LEAD	a	50ug/m3			1	1		0.100b				
METHYL ETHYL KETONE	200	590			1			200	590	300	885	
METHYL METHACRYLATE	100	410			1			100	410			
NICKEL		1			1				0.015a			
QUARTZ	a	[10 mg/m3 percent SiO2+2/250 percent SiO2+5 mppcf]; [30 mg/m3 percent SiO2+2];			[1,3]; [3];				0.05e			1
SILICA, AMORPHOUS	20 (b)	80 mg/m3 percent SiO2+2			1,3				6			
STYRENE	100 (a)/200 ceiling		600 (a) /5 mins. in any 3 hrs.		1,2			50	215	100	425	
TALC		20 mppcf			1	1						
TITANIUM DIOXIDE		15			1			b				1
TOLUENE	200 (a)/300 ceiling	0.2	500 ppm / 10 minutes (a)		1,2			100	375	150	560	
XYLENE	100	435			1			100	435	150	655	

Chemical Name	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis
2-ETHYLHEXANOIC ACID		5 (IFV)					Teratogenic eff
ALUMINUM		1(R)			A4	A4	Pneumoconiosis; LRT irr; neurotoxicity
ARSENIC		0.01			A1	A1; BEI	Lung Cancer

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Chemical Name	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis
BARIUM		0.5			A4	A4	Eye, skin, & GI irr; muscular stim
BIS(2-ETHYLHEXYL)PHTHALATE		5 (IFV)			A3	A3	LRT irr
BUTYL ACETATE	50		150				Eye & URT irr
CALCIUM CARBONATE							
CHROMIUM		0.5			A4	A4	URT & skin irr
COBALT		0.005 (T)			A2	RSEN; A2	pneumonitis
COPPER		[0.2]; [1];					Irritation; GI; metal fume fever
DIBUTYLIN DILAURATE		0.1		0.2	A4	Skin; A4	
ETHYLBENZENE	20				A3	A3;BEI	URT irr; Kidney dam (nephropathy); Cochlear impair
LEAD		0.05			A3	A3; BEI	CNS impair; PNS imp; hematologic eff
METHYL ETHYL KETONE	200	590	300	885		BEI	URT irr; CNS & PNS impair
METHYL METHACRYLATE	50	205	100	410	A4	SEN; A4	URT & eye irr; body weight eff; pulm edema
NICKEL		1.5 (I)			A5	A5	Dermatitis; pneumoconiosis
QUARTZ		0.025 (R)			A2	A2	Pulmonary fibrosis; lung cancer
SILICA, AMORPHOUS							
STYRENE	20	85	40	170	A4	A4; BEI	CNS impair; URT irr; peripheral neuropathy
TALC	0.1 f/cc (F) (K)	2 (E,R)			[A1]; [A4];	[A1]; [A4];	[LRT irr]; [Pneumoconiosis; lung cancer; mesothelioma];
TITANIUM DIOXIDE		10			A4	A4	LRT irr
TOLUENE	20	0.2			A4	A4; BEI	Visual impair; female repro; pregnancy loss
XYLENE	100	434	150	651	A4	A4; BEI	URT & eye irr; CNS impair

(F) - Respirable fibers, (I) - Inhalable fraction, (IFV) - Inhalable fraction and vapor, (K) - Should not exceed 2 mg/m3 respirable particulate mass, (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, A5 - Not Suspected as a Human Carcinogen, BEI - Substances for which there is a Biological Exposure Index or Indices, CNS - Central nervous system, eff - Effects, GI - Gastrointestinal, impair - Impairment, irr - Irritation, LRT - Lower respiratory tract, PNS - Peripheral nervous system, pulm - Pulmonary, repro - reproductive, URT - Upper respiratory tract

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Density	: 11.66 lb/gal
% Solids By Weight	: 67.91%
Density VOC	: 3.72 lb/gal
% VOC	: 31.87%
Specific Gravity	: 1.40
Appearance	: Water Based Emulsion
Odor Threshold	: No data available
Odor Description	: Slight
pH	: 6-8
Water Solubility	: Miscible
Flammability	: No data available
Flash Point	: No data available
Viscosity	: No data available
Lower Explosion Level	: No data available
Upper Explosion Level	: No data available
Vapor Pressure	: No data available
Vapor Density	: No data available
Freezing Point	: No data available
Melting Point	: No data available
Low Boiling Point	: >100 °C
High Boiling Point	: No data available
Auto Ignition Temp	: No data available
Decomposition Pt	: No data available
Evaporation Rate	: No data available
Coefficient Water/Oil	: No data available

SECTION 10: Stability and reactivity

10.1 Stability

Stable under normal conditions.

10.2 Conditions to Avoid

Avoid all possible sources of ignition. Prone to ignite by static.

10.3 Hazardous Reactions/Polymerization

No data available.

10.4 Incompatible Materials

Keep away from: explosives, toxic gases, oxidizing substances, organic peroxides, poisonous (toxic) substance, infectious substances (biohazards).

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10.5 Hazardous Decomposition Products

Oxides of carbon.

SECTION 11: Toxicological information

11.1 Likely Route of Exposure

Inhalation, ingestion, skin contact, eye contact, skin absorption

11.2 Skin Corrosion/Irritation

Causes skin irritation

11.3 Serious Eye Damage/Irritation

Causes serious eye irritation

11.4 Respiratory/Skin Sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.

11.5 Germ Cell Mutagenicity

No data available.

11.6 Carcinogenicity

May cause cancer

11.7 Reproductive Toxicity

May damage fertility or the unborn child.

11.8 Specific Target Organ Toxicity - Single Exposure

May cause drowsiness or dizziness

11.9 Specific Target Organ Toxicity - Repeated Exposure

May cause damage to organs through prolonged or repeated exposure.

11.10 Aspiration Hazard

May be fatal if swallowed and enters airways

11.11 Acute Toxicity

Harmful if swallowed.

0000123-86-4 | Butyl Acetate

LC50 (rat)	1802 mg/m3; 4-hour exposure (aerosol)(9) Note: A lower LC50 (aerosol) value of 760 mg/m3 (160 ppm); 4-hour exposure has been reported.(11,27) Extensive research has failed to confirm this value.
LD50 (oral, rat)	10770 mg/kg (12, unconfirmed)
LD50 (oral, mouse)	7100 mg/kg (5)
LD50 (oral, rabbit)	7400 mg/kg (cited as 64 millimols/kg) (13)
LD50 (dermal, rabbit)	Greater than 5000 mg/kg (3, unconfirmed)

0000100-41-4 | Ethylbenzene

LC50 (inhalation, rat)	4000 ppm; 4-hour exposure (3)
LD50 (oral, rat)	3.5 g/kg (1,3,5,10)

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0000100-41-4 | Ethylbenzene

LD50 (oral, rat)	4.72 g/kg (3,5,7,8)
LD50 (dermal, rabbit)	17.8 g/kg (11)

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)	5251mg/kg (60.2% m-, 901% 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 xylene - 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 xylene - undefined composition) (3)

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)

0000078-93-3 | Methyl Ethyl Ketone

LC50 (male rat)	11,700 ppm (4-hour exposure) (3)
LC50 (male rat)	11,300 ppm (4-hour exposure); cited as 23.5 mg/L (7,990 ppm) (8-hour exposure) (4)
LD50 (oral, adult male rat)	2,740 mg/kg; cited as 3.4 mL/kg (1)
LD50 (dermal, rabbit)	greater than 5,000 mg/kg (29)

0007440-38-2 | Arsenic

LC50 (Invertebrate - daphnia, Chemical added to tank with water (dissolved in water))	2850 ug/L (48 hours exposure) Toxic effects : Details of Toxic effects not reported other than lethal dose value.
LD50 (Rodent - rat, Oral)	763 mg/kg, Toxic effects: Behavioral - ataxia Gastrointestinal - hypermotility, diarrhea
LD50 (Rodent - mouse, Oral)	145 mg/kg, Toxic effects : Behavioral - ataxia Gastrointestinal - hypermotility, diarrhea

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0007440-38-2 | Arsenic

LD50 (Rodent - mouse, Oral)	144 mg/kg, Toxic effects : Details of toxic effects not reported other than lethal dose value.
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0007440-50-8 | Copper

LD50 (intraperitoneal, mouse)	3.5 mg/kg (6);
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0001317-65-3 | Calcium Carbonate

LD50 (oral, rat)	6450 mg/kg (10; unconfirmed)
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0007439-92-1 | Lead

LC50 (Invertebrate - daphnia, Chemical added to tank with water (dissolved in water))	300 ug/L (48 hours exposure) Toxic effects : Details of toxic effects not reported other than lethal dose value.
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0000117-81-7 | BIS (2-ETHYLHEXYL)PHALATE

LD50 (oral, rat)	30 gm/kg
LD50 (oral, mouse)	1500 mg/kg

0000080-62-6 | Methyl Methacrylate

LC50 (rat)	7093 ppm (4-hour exposure) (5)
LC50 (mouse)	3205 ppm (13080 mg/m3) (4-hour exposure); cited as 18500 mg/m3 (2-hour exposure) (6)
LD50 (oral, rat)	7940 mg/kg (cited as 8.41 cc/kg) (1)
LD50 (oral, mouse)	3625 mg/kg (8)
LD50 (dermal, rabbit)	greater than 7550 mg/kg (cited as 8.0 mL/kg) (34)

0000100-42-5 | Styrene

LC50 (rat)	5640 ppm (24000 mg/m3) (4-hour exposure; unconfirmed) (1); 2800 ppm (4-hour exposure) (26)
LC50 (mouse)	2230 ppm (9500 mg/m3) (4-hour exposure; unconfirmed) (1); 5000 ppm (2-hour exposure) (26)
LD50 (oral, rat)	5000 mg/kg (2)
LD50 (oral, mouse)	316 mg/kg (unconfirmed) (1)

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11.12 Potential Health Effects - Miscellaneous

0000078-93-3 | Methyl Ethyl Ketone

Material is irritating to mucous membranes and upper respiratory tract. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, eyes, respiratory system, skin. Prolonged or repeated overexposure may cause any of the following: conjunctivitis, dermatitis. High concentrations have caused embryotoxic effects in laboratory animals. Aspiration may occur during swallowing or vomiting, resulting in lung damage. Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness.

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.

0000108-65-6 | Propylene Glycol Monomethyl Ether Acetate

Recurrent overexposure may result in liver and kidney injury.

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.

0000123-86-4 | Butyl Acetate

May cause abnormal liver function. The following medical conditions may be aggravated by exposure: respiratory system. Tests for embryotoxic activity in animals has been inconclusive. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. 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 | Quartz

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.

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11.13 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.
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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 | Quartz

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.

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic life.

Harmful to aquatic life with long lasting effects.

12.2 Persistence and Degradability

No data available.

12.3 Bio-accumulative Potential

No data available.

12.4 Mobility in Soil

No data available.

12.5 Other Adverse Effect

No data available.

SECTION 13: Disposal considerations

13.1. 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.

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SECTION 14: Transport information

U.S. DOT Information	
UN Number	UN1263
Proper Shipping Name	Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base
Hazard Class	3
Packaging Group	II
Hazardous Substance (RQ)	No data available
Toxic-Inhalation Hazard	No data available
Marine Pollutant	No data available
Note/Special Provision	No data available

IMDG Information	
UN Number	UN1263
Proper Shipping Name	Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base
Hazard Class	3
Packaging Group	II
Marine Pollutant	No data available
Note/Special Provision	No data available

IATA Information	
UN Number	UN1263
Hazard Class	3
Packaging Group	II
Proper Shipping Name	Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base
Note/Special Provision	No data available

SECTION 15: Regulatory information

CAS	Chemical Name	% By Weight	Regulation List
0014807-96-6	TALC	19% - 45%	SARA312, IARCCarcinogen, TSCA
0000108-88-3	TOLUENE	9% - 12%	SARA313, SARA312, VOC, IARCCarcinogen, TSCA, CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Develop - CA_Proposition65_Type_Toxicity_Developmental

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CAS	Chemical Name	% By Weight	Regulation List
0000078-93-3	METHYL ETHYL KETONE	9% - 12%	SARA312, VOC, TSCA
0001330-20-7	XYLENE	8% - 11%	SARA313, SARA312, VOC, IARCCarcinogen, TSCA
0013463-67-7	TITANIUM DIOXIDE	6% - 9%	SARA312, IARCCarcinogen, TSCA, CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer
0001317-65-3	CALCIUM CARBONATE	4% - 5%	SARA312, TSCA, TSCA_UVCB - CHEMICAL SUBSTANCES OF UNKNOWN OR VARIABLE COMPOSITION, COMPLEX REACTION PRODUCTS AND BIOLOGICAL MATERIALS
0001318-59-8	Chlorite	1% - 2%	SARA312
0000100-41-4	ETHYLBENZENE	0.9% - 1%	SARA313, SARA312, VOC, IARCCarcinogen, TSCA, CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer
0000117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.1% - 2%	SARA313, SARA312, VOC, IARCCarcinogen, NTPCarcinogen, TSCA, REACH_SVHC - REACH_Substances of Very High Concern, REACH_SVHC_ToxicForReproduction - REACH_Substances of Very High Concern_Toxic for Reproduction, CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer, CA_Prop65_Type_Toxicity_Developmental - CA_Proposition65_Type_Toxicity_Developmental, CA_Prop65_Type_Toxicity_Male - CA_Proposition65_Type_Toxicity_Male
0007631-86-9	SILICA, AMORPHOUS	0.1% - 1%	SARA312, IARCCarcinogen, TSCA
0112945-52-5	SILICA, AMORPHOUS FUMED	0.1% - 0.9%	SARA312
0000149-57-5	2-ETHYLHEXANOIC ACID	0.0% - 0.6%	SARA312, TSCA
0014808-60-7	QUARTZ	0.0% - 0.2%	SARA312, IARCCarcinogen, NTPCarcinogen, TSCA, CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer
0000868-77-9	HYDROXYETHYL METHACRYLATE, 2-	0.0% - 0.2%	SARA312, VOC, TSCA
0000077-58-7	DIBUTYLIN DILAURATE	0.0% - 0.2%	SARA312, VOC, TSCA
0000108-65-6	PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	0 - 0.1%	SARA312, VOC, TSCA

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CAS	Chemical Name	% By Weight	Regulation List
0000123-86-4	BUTYL ACETATE	0 - 0.1%	SARA312, VOC, TSCA
0000080-62-6	METHYL METHACRYLATE	0 - 0.1%	SARA313, SARA312, VOC, IARCCarcinogen, TSCA
0000100-42-5	STYRENE	0 - 0.1%	SARA313, SARA312, VOC, IARCCarcinogen, TSCA, CA, CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer
0007429-90-5	ALUMINUM	0 - 0.1%	SARA312, TSCA
0007440-39-3	BARIUM	0 - 0.1%	SARA312, TSCA
0007440-50-8	COPPER	0 - 0.1%	SARA312, TSCA
0007440-47-3	CHROMIUM	0 - 0.1%	SARA312, IARCCarcinogen, TSCA
0007440-02-0	NICKEL	0 - 0.1%	SARA312, IARCCarcinogen, NTPCarcinogen, TSCA, CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer
0007440-38-2	ARSENIC	0 - 0.1%	SARA312, IARCCarcinogen, TSCA
0007439-92-1	LEAD	0 - 0.1%	SARA313, SARA312, IARCCarcinogen, TSCA, SARA313_PBT - SARA313_Persistent, Bioaccumulative, and Toxic (PBT) Chemicals, CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer, CA_Prop65_Type_Toxicity_Developmental - CA_Proposition65_Type_Toxicity_Developmental, CA_Prop65_Type_Toxicity_Male - CA_Proposition65_Type_Toxicity_Male, CA_Prop65_Type_Toxicity_Female - CA_Proposition65_Type_Toxicity_Female
0007440-48-4	COBALT	0 - 0.1%	SARA312, IARCCarcinogen, TSCA, CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer

SECTION 16: Other information

Glossary:

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian

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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:	/2
FLAMMABILITY:	4
Physical Hazard:	0
Personal Protection:	

(*) - Chronic effects

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

#Error

Revision Date:

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