

# SAFETY DATA SHEET

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## SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

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**Product ID:** 1700-062  
**Product Name:** KEL-GARD Gloss Alkyd Rust Preventative Enamel 1700 - 062 SIREN RED  
**Revision Date:** Jan 25, 2016 **Date Printed:** Jan 26, 2016  
**Version:** 1.0 **Supersedes Date:** N.A.  
**Manufacturer's Name:** Kelly-Moore Paint Company, Inc.  
**Address:** 1015 Commercial St. San Carlos, CA, US, 94070  
**Emergency Phone:** 800-424-9300  
**Information Phone Number:** 650-610-4253  
**Fax:** **Contact Name:** Tiffany Alvarez  
**Product/Recommended Uses:** Architectural Alkyd Paint

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## SECTION 2) HAZARDS IDENTIFICATION

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### Classification:

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

### Pictograms:



### Signal Word:

Danger

### Hazardous Statements - Health:

May cause drowsiness or dizziness  
Causes damage to organs through prolonged or repeated exposure.  
Causes skin irritation  
Causes serious eye irritation  
May cause genetic defects.  
May cause cancer.  
Suspected of damaging fertility or the unborn child.  
May be harmful if swallowed

**Hazardous Statements - Physical:**

Flammable liquid and vapor

**Hazardous Statements - Environmental:**

Very toxic to aquatic life

Toxic to aquatic life with long lasting effects

**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.

**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 after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

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 equipment.

Use only non-sparking tools.

Take action to prevent static discharges.

**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 ON SKIN: Wash with plenty of water.

Specific treatment (see section 4 on this SDS).

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 exposed or concerned: Get medical advice/attention.

Collect spillage.

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

In case of fire: Use CO2, dry chemical, or foam to extinguish.

**Precautionary Statements - Storage:**

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

Store locked up.

Store in a well-ventilated place. Keep cool.

**Precautionary Statements - Disposal:**

Dispose of contents to an approved waste disposal plant or paint 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.

**Hazards Not Otherwise Classified (HNOC):**

None.

**Acute toxicity of 54.3% of the mixture is unknown**

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**SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS**


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CAS	Chemical Name	% By Weight
0064742-47-8	ISOPARAFFINIC PETROLEUM DISTILLATE	15% - 22%
0008052-41-3	STODDARD SOLVENT	11% - 16%
0002786-76-7	NAPHTHANIL RED	3% - 5%
0001317-65-3	CALCIUM CARBONATE	2% - 4%
0001330-20-7	XYLENE	2% - 3%
0013463-67-7	TITANIUM DIOXIDE	0.4% - 0.8%
0000111-84-2	NONANE	0.3% - 0.7%
0000095-63-6	1,2,4-TRIMETHYLBENZENE	0.3% - 0.7%
0000100-41-4	ETHYLBENZENE	0.3% - 0.6%
0000096-29-7	2-BUTANONE OXIME	0.2% - 0.3%
0001309-37-1	FERRIC OXIDE	0.2% - 0.3%
0000108-83-8	DIISOBUTYL KETONE	0.1% - 0.2%
0000136-52-7	COBALT OCTATE	0.1% - 0.2%
0064742-82-1	NAPHTHA (PETROLEUM) HYDRODESULFURIZED	0.1% - 0.2%
0000108-88-3	TOLUENE	0.1% - 0.1%
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	Trace
0000091-20-3	NAPHTHALENE	Trace
0000366-18-7	2,2'-BIPYRIDYL	Trace
0007631-86-9	SILICA, AMORPHOUS	Trace
0000071-36-3	N-BUTYL ALCOHOL	Trace
0000078-83-1	ISOBUTYL ALCOHOL	Trace
0000123-86-4	BUTYL ACETATE	Trace
0000110-19-0	ISO-BUTYL ACETATE	Trace

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**SECTION 4) FIRST-AID MEASURES**


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**Inhalation:**

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

IF exposed or concerned: Get medical advice/attention.

Eliminate all ignition sources if safe to do so.

**Skin Contact:**

Take off immediately all contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with lukewarm, gently flowing water/shower for a duration of 30 or until medical aid is available. Immediately call a POISON CENTER/doctor. Wash contaminated clothing before re-use or discard.

IF exposed or concerned: Get medical advice/attention.

**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 a 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.

**Ingestion:**

Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position.

**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.

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**SECTION 5) FIRE-FIGHTING MEASURES**

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**Suitable Extinguishing Media:**

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

**Unsuitable Extinguishing Media:**

Do not use straight streams of water.

**Specific Hazards in Case of Fire:**

Pressure may build and cause rupture in heated containers. Vapor is heavier than air and will spread along the ground. Vapors may accumulate in low and confined areas, or travel a considerable distance to an ignition source and flashback fire danger.

**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.

**Special Protective Actions:**

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

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**SECTION 6) ACCIDENTAL RELEASE MEASURES**

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**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.

**Recommended 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. 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.

**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:**

Dam up and soak up with inert absorbent material (floor-dry, PIG absorbents, sand, or sawdust). Scoop up and transfer to properly labeled containers. Allow used absorbent material to dry and dispose according to local regulations.

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**SECTION 7) HANDLING AND STORAGE**

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**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.

**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 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.

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

## SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

### 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.

### 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.

A NIOSH/MSHA approved respirator is advised.

### 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)	ACGIH TWA (ppm)
1,2,4-TRIMETHYLBENZENE								25	125			
BUTYL ACETATE	150	710			1			150	710	200	950	150
CALCIUM CARBONATE		[15]; [5 (a)];			1				10,5a			
DIISOBUTYL KETONE	50	290			1			25	150			25
ETHYLBENZENE	100	435			1			100	435	125	545	20
ETHYLENE GLYCOL MONOBUTYL ETHER	50	240			1		1	5	24			20
FERRIC OXIDE		[10]; [15]; [5];			1							
ISO-BUTYL ACETATE	150	700			1			150	700			150
ISOBUTYL ALCOHOL	100	300			1			50	150			50
ISOPARAFFINIC PETROLEUM DISTILLATE	500	2000			1							
NAPHTHA (PETROLEUM) HYDRODESULFURIZED	500	2000			1							
NAPHTHALENE	10	50			1			10	50	15	75	10
N-BUTYL ALCOHOL	100	300			1							20
NONANE								200	1050			200
SILICA, AMORPHOUS	20 (b)	80 mg/m3 percent SiO2+2			1,3				6			
STODDARD SOLVENT	500	2900			1				350			100

TITANIUM DIOXIDE		15			1			b				
TOLUENE	200 (a)/ 300 ceiling	0.2	500ppm /10 minutes (a)		1,2			100	375	150	560	20
XYLENE	100	435			1			100	435	150	655	100

Chemical Name	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH TLV Basis	ACGIH Notations	ACGIH Carcinogen
1,2,4- TRIMETHYLBENZEN E						
BUTYL ACETATE	713	200	950	Eye & URT irr		
CALCIUM CARBONATE						
DIISOBUTYL KETONE	145			URT & eye irr		
ETHYLBENZENE				URT irr;Kidney dam (nephropat hy); Cochlear impair	A3; BEI	A3
ETHYLENE GLYCOL MONOBUTYL ETHER	97			Eye & URT irr	A3; BEI	A3
FERRIC OXIDE	5 (R)			Pneumoco niosis	A4	A4
ISO-BUTYL ACETATE	713			Eye & URT irr		
ISOBUTYL ALCOHOL	152			Skin & eye irr		
ISOPARAFFINIC PETROLEUM DISTILLATE						
NAPHTHA (PETROLEUM) HYDRODESULFURIZ ED						
NAPHTHALENE				URT irr; cataracts; hemolytic anemia	Skin; A3	A3
N-BUTYL ALCOHOL				Eye & URT irr		
NONANE	1050			CNS impair		
SILICA, AMORPHOUS						
STODDARD SOLVENT	572			Eye, skin, & kidney dam; nausea; CNS impair		
TITANIUM DIOXIDE	10			LRT irr	A4	A4
TOLUENE	0.2			Visual impair; female repro; pregnancy loss	A4; BEI	A4
XYLENE	434	150	651	URT & eye irr; CNS imampir	A4; BEI	A4

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## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

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### Physical and Chemical Properties

Density	8.11104 lb/gal
Specific Gravity	0.97192
% Solids By Weight	60.08070%
VOC Regulatory	387.99834 g/l
VOC Actual	387.99834 g/l
% VOC	39.91974%
% HAPS	3.53808%

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Appearance	Liquid
Odor Description	Petroleum Solvent
Odor Threshold	No information available
pH	N.A.
Freezing Point	No information available
Boiling Point	316 - 399 °F
Flash Point	104 °F
Evaporation Rate	0.14 (Butyl Acetate = 1)
Flammability	Flashpoint at or above 73 °F and below 100 °F
Lower Explosion Level	~ 0.7
Upper Explosion Level	~ 5.6
Vapor Pressure	No information available
Vapor Density	Heavier than air
Water Solubility	Soluble in most solvents, water negligible
Coefficient Water/Oil	No information available
Auto Ignition Temp	No information available
Decomposition Pt	No information available
Viscosity	100 - 500 cSt (mm <sup>2</sup> /sec) @ 40 °C

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## SECTION 10) STABILITY AND REACTIVITY

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### Stability:

Material is stable at standard temperature and pressure.

### Conditions to Avoid:

Avoid all possible sources of ignition. Do not allow vapor to accumulate in low or confined areas. Do not pile or accumulate paint-laden rags, filters or floor sweeping until the paint contained within them is cured.

### Hazardous Reactions/Polymerization:

There is potential for spontaneous combustion of concentrated paint-laden rags, spray booth filters, or dry-spray floor sweepings.

### Incompatible Materials:

Avoid contact with strong oxidizers, alkaline materials, mineral acids, and halogens.

### Hazardous Decomposition Products:

Oxides of carbon, metal oxides.

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## SECTION 11) TOXICOLOGICAL INFORMATION

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### Likely Route of Exposure:

Inhalation, ingestion, skin absorption

### Aspiration Hazard:

Aspiration into the lungs can cause chemical pneumonitis which can be fatal.

**Carcinogenicity:**

May cause cancer.

**Germ Cell Mutagenicity:**

May cause genetic defects.

**Reproductive Toxicity:**

Suspected of damaging fertility or the unborn child.

**Respiratory/Skin Sensitization:**

Prolonged or repeated skin contact may defat the skin resulting in possible irritation and dermatitis. This product contains small amounts of 2-butanone oxime which may cause an allergic skin reaction.

**Serious Eye Damage/Irritation:**

Causes serious eye irritation

Eye contact may cause severe irritation, redness, tearing, blurred vision, and a sensation of seeing halos around lights.

**Skin Corrosion/Irritation:**

Causes skin irritation

**Specific Target Organ Toxicity - Repeated Exposure:**

Causes damage to organs through prolonged or repeated exposure.

**Specific Target Organ Toxicity - Single Exposure:**

May cause drowsiness or dizziness

**Acute Toxicity:**

May be harmful if swallowed

If swallowed, can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

May be irritating to the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects including death.

**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)

**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)

**0000078-83-1 ISOBUTYL ALCOHOL**

LD50 (oral, rat): 2460 mg/kg.(7)

LD50 (oral, rabbit): 3000 mg/kg (reported as 41 mmol/kg) (8)

LD50 (dermal, rabbit): 3400 mg/kg (reported as 4.24 mL/kg).(7)

**0008052-41-3 STODDARD SOLVENT**

LC50 (rat): greater than 5500 mg/m<sup>3</sup> (880 ppm) (whole body exposure for 4 hours) (1)

LC50 (rat): greater than 8200 mg/m<sup>3</sup> (1300 ppm) (2)

LD50 (oral, rat): greater than 5 g/kg (1)

LD50 (dermal, rabbit): greater than 3 g/kg (1)

**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)



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. The sample of n-butyl acetate tested was

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)

0000071-36-3 N-BUTYL ALCOHOL

LC50 (rat): greater than 8000 ppm (4-hour exposure) (14)

LD50 (oral, rat): 2510 mg/kg (15)  
LD50 (oral, male rat): 790 mg/kg (16)\*  
LD50 (oral, female rat): 2020 mg/kg (16)\* \*(Note: the rats used in this study appear to have been very young (60-100 grams).)  
LD50 (oral, hamster): 1200 mg/kg (11, original)

0000110-19-0 ISO-BUTYL ACETATE

LC50 (rat): approximately 8000 ppm (4-hour exposure); 4 out of 6 rats died (3)

LD50 (oral, rat): 13400 mg/kg (cited as 15.4 mL/kg) (1)  
LD50 (oral, rabbit): 4800 mg/kg (cited as 41 mmol/kg) (4)  
LD50 (dermal, rabbit): Greater than 5000 mg/kg (1)

0000095-63-6 1,2,4-TRIMETHYLBENZENE

LC50 (rat): 18 g/m3 (4-hour exposure) (1)

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

0000091-20-3 NAPHTHALENE

LC50: Insufficient data

LD50 (oral, mouse): 533 mg/kg (male); 710 mg/kg (female) (1)  
LD50 (oral, rat): 1780 mg/kg (2)

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)

0000111-84-2 NONANE

LC50 (inhalation, rat): 3200 ppm (4-hr exposure) (1,9)

LD50 (oral, rat): Greater than 15 g/kg (4)

0001317-65-3 CALCIUM CARBONATE

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

0000108-83-8 DIISOBUTYL KETONE

LD50 (oral, rat): 5800 mg/kg (1)  
LD50 (oral, mouse): 1416 mg/kg (2; original report unpublished)  
LD50 (oral, mouse): 2800 mg/kg (3)  
LD50 (dermal, rabbit): 1600 mg/kg (1)

**Potential Health Effects - Miscellaneous**

0000071-36-3 N-BUTYL ALCOHOL

May cause abnormal blood forming function with anemia. Liquid splashes in the eye may result in chemical burns.

0000078-83-1 ISOBUTYL ALCOHOL

Has shown carcinogenic activity in laboratory animals at high doses. Significance to man is unknown. May cause irritation of the mucous membranes. May cause abnormal liver function. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes, respiratory system, skin. Tests in laboratory animals have shown effects on any of the following organs/systems: bone marrow, liver. Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns.

0000091-20-3 NAPHTHALENE

Is an IARC, NTP or OSHA carcinogen. Tests in some laboratory animals demonstrate carcinogenic activity. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: kidneys, liver. Recurrent overexposure may result in liver and kidney injury. WARNING: This chemical is known to the State of California to cause cancer.

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.

0000108-83-8 DIISOBUTYL KETONE

The following medical conditions may be aggravated by exposure: asthma, blood, dermatitis. Contact may cause skin irritation with discomfort or rash. Repeated exposure may cause allergic skin rash, itching, swelling. This substance may cause damage to any of the following organs/systems: eyes, kidneys, liver. Extremely high oral and inhalation doses in laboratory animals have shown weight changes in various organs such as the liver, kidney, brain, heart and adrenal gland. In addition liver and kidney injury were observed at the extremely high inhalation level. In another inhalation study there was a slight depression in the white blood cell count. Liquid or vapor causes irritation, experienced as stinging, excess blinking and tear production, with excess redness and swelling of the conjunctiva.

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.

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.

**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

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

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

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**SECTION 12) ECOLOGICAL INFORMATION**

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**Toxicity:**

Very toxic to aquatic life

Toxic to aquatic life with long lasting effects

**Persistence and Degradability:**

No data available.

**Bioaccumulative Potential:**

No data available.

**Mobility in Soil:**

No data available.

**Other Adverse Effects:**

No data available.

**Bio-accumulative Potential**

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

Contains constituents with the potential to bio accumulate.

**Mobility in Soil**

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

Floats on water. Contains volatile constituents. Evaporates within a day from water or soil surfaces. Large volumes may penetrate soil and could contaminate groundwater.

**Persistence and Degradability**

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

Expected to be inherently biodegradable. The volatile constituents will oxidize rapidly by photochemical reactions in air.

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**SECTION 13) DISPOSAL CONSIDERATIONS**

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**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**

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**U.S. DOT Information:**

UN Number: UN1263  
UN Proper Shipping Name: PAINT  
Hazard Class: 3  
Packing Group: III

Other Information: This product may be reclassified as a combustible liquid for ground transportation.

**IMDG Information:**

UN Number: UN1263  
UN Proper Shipping Name: PAINT  
Hazard Class: 3  
Packing Group: III

**IATA Information:**

UN Number: UN1263  
UN Proper Shipping Name: PAINT  
Hazard Class: 3  
Packing Group: III

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**SECTION 15) REGULATORY INFORMATION**

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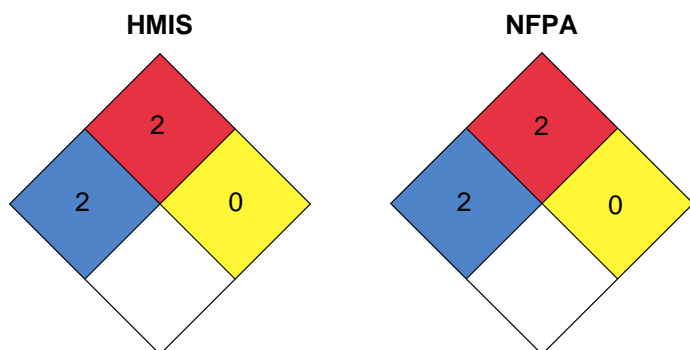
CAS	Chemical Name	% By Weight	Regulation List
0064742-47-8	ISOPARAFFINIC PETROLEUM DISTILLATE	15% - 22%	SARA312,VOC,TSCA
0008052-41-3	STODDARD SOLVENT	11% - 16%	SARA312,VOC,TSCA

0002786-76-7	NAPHTHANIL RED	3% - 5%	SARA312,TSCA
0001317-65-3	CALCIUM CARBONATE	2% - 4%	SARA312,TSCA
0001330-20-7	XYLENE	2% - 3%	CERCLA,SARA312,SARA313,VOC,IARCCarcinogen,TSCA,RCRA
0013463-67-7	TITANIUM DIOXIDE	0.4% - 0.8%	SARA312,IARCCarcinogen,TSCA,CA_Prop65 - California Proposition 65,CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer
0000111-84-2	NONANE	0.3% - 0.7%	SARA312,VOC,TSCA
0000095-63-6	1,2,4-TRIMETHYLBENZENE	0.3% - 0.7%	SARA312,SARA313,VOC,TSCA
0000100-41-4	ETHYLBENZENE	0.3% - 0.6%	CERCLA,SARA312,SARA313,VOC,IARCCarcinogen,TSCA,CA_Prop65 - California Proposition 65,CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer
0000096-29-7	2-BUTANONE OXIME	0.2% - 0.3%	SARA312,VOC,TSCA
0001309-37-1	FERRIC OXIDE	0.2% - 0.3%	SARA312,IARCCarcinogen,TSCA
0000108-83-8	DIISOBUTYL KETONE	0.1% - 0.2%	SARA312,VOC,TSCA
0000136-52-7	COBALT OCTATE	0.1% - 0.2%	CERCLA,SARA312,SARA313,TSCA
0064742-82-1	NAPHTHA (PETROLEUM) HYDRODESULFURIZED	0.1% - 0.2%	SARA312,VOC,TSCA
0000108-88-3	TOLUENE	0.1% - 0.1%	CERCLA,SARA312,SARA313,VOC,IARCCarcinogen,TSCA,RCRA,CA_Prop65 - California Proposition 65,CA_Prop65_Type_Toxicity_Develop - CA_Proposition65_Type_Toxicity_Developmental
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	Trace	CERCLA,SARA312,SARA313,VOC,TSCA
0000091-20-3	NAPHTHALENE	Trace	CERCLA,SARA312,SARA313,VOC,TSCA,RCRA,CA_Prop65 - California Proposition 65,CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer
0000366-18-7	2,2'-BIPYRIDYL	Trace	SARA312,TSCA
0007631-86-9	SILICA, AMORPHOUS	Trace	SARA312,IARCCarcinogen,TSCA
0000071-36-3	N-BUTYL ALCOHOL	Trace	CERCLA,SARA312,SARA313,VOC,TSCA,RCRA
0000078-83-1	ISOBUTYL ALCOHOL	Trace	CERCLA,SARA312,VOC,TSCA,RCRA
0000123-86-4	BUTYL ACETATE	Trace	CERCLA,SARA312,VOC,TSCA
0000110-19-0	ISO-BUTYL ACETATE	Trace	CERCLA,SARA312,VOC,TSCA

## SECTION 16) OTHER INFORMATION

### Glossary:

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.



Chronic :



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