

## 1. Identification

<b>Product identifier</b>	<b>MEDIUM ALUMINUM GOLD</b>		
<b>Other means of identification</b>			
<b>Product Code</b>	MT-98-QT		
<b>Recommended use</b>	Not available.		
<b>Manufacturer/Importer/Supplier/Distributor information</b>			
<b>Manufacturer</b>			
<b>Company name</b>	Quest Automotive Products		
<b>Address</b>	600 Nova Drive SE Massillon, OH 44646 United States		
<b>Telephone</b>	General Assistance	(330) 830-6000	
<b>E-mail</b>	rpandrus@quest-ap.com		
<b>Contact person</b>	Ron Andrus		
<b>Emergency phone number</b>	CHEMTREC	(800) 424-9300	

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable liquids	Category 2
<b>Health hazards</b>	Acute toxicity, inhalation	Category 3
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Sensitization, skin	Category 1
	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1B
	Reproductive toxicity	Category 1
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 1
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
<b>OSHA defined hazards</b>	Not classified.	

### Label elements



**Signal word** Danger

**Hazard statement** Highly flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Toxic if inhaled. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

## Precautionary statement

### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

### Response

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.

### Storage

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

### Disposal

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

### Hazard(s) not otherwise classified (HNOC)

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

### Supplemental information

54.46% of the mixture consists of component(s) of unknown acute inhalation toxicity. 46.12% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 45.99% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
2-butanone		78-93-3	20 to <30
n-butyl acetate		123-86-4	20 to <30
n-butyl alcohol		71-36-3	5 to <10
Xylene		1330-20-7	5 to <10
2-Butoxyethyl acetate		112-07-2	1 to <5
acetone		67-64-1	1 to <5
Aluminum		7429-90-5	1 to <5
Ethyl benzene		100-41-4	1 to <5
hydrodesulfurized heavy naphth		64742-82-1	1 to <5
iron oxide		1309-37-1	1 to <5
Butyl benzyl phthalate		85-68-7	0.1 to <1
liquid HALS		41556-26-7	0.1 to <1
Other components below reportable levels			20 to <30

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician.

### Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

### Ingestion

Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

### Most important symptoms/effects, acute and delayed

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.

<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.
<b>5. Fire-fighting measures</b>	
<b>Suitable extinguishing media</b>	Alcohol resistant foam. Water fog. Carbon dioxide (CO <sub>2</sub> ). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Highly flammable liquid and vapor.
<b>6. Accidental release measures</b>	
<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.  Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.  Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases. Use appropriate containment to avoid environmental contamination.

## 7. Handling and storage

### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

### Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

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

Components	Type	Value	Form
2-butanone (CAS 78-93-3)	PEL	590 mg/m3 200 ppm	
acetone (CAS 67-64-1)	PEL	2400 mg/m3 1000 ppm	
Aluminum (CAS 7429-90-5)	PEL	5 mg/m3 15 mg/m3	Respirable dust. Total dust.
Ethyl benzene (CAS 100-41-4)	PEL	435 mg/m3 100 ppm	
iron oxide (CAS 1309-37-1)	PEL	10 mg/m3	Fume.
n-butyl acetate (CAS 123-86-4)	PEL	710 mg/m3 150 ppm	
n-butyl alcohol (CAS 71-36-3)	PEL	300 mg/m3 100 ppm	
Xylene (CAS 1330-20-7)	PEL	435 mg/m3 100 ppm	

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
2-butanone (CAS 78-93-3)	STEL	300 ppm	
	TWA	200 ppm	
2-Butoxyethyl acetate (CAS 112-07-2)	TWA	20 ppm	
acetone (CAS 67-64-1)	STEL	750 ppm	
	TWA	500 ppm	
Aluminum (CAS 7429-90-5)	TWA	1 mg/m3	Respirable fraction.

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Ethyl benzene (CAS 100-41-4)	TWA	20 ppm	
hydrodesulfurized heavy naphth (CAS 64742-82-1)	TWA	100 ppm	
iron oxide (CAS 1309-37-1)	TWA	5 mg/m3	Respirable fraction.
n-butyl acetate (CAS 123-86-4)	STEL	200 ppm	
	TWA	150 ppm	
n-butyl alcohol (CAS 71-36-3)	TWA	20 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
2-butanone (CAS 78-93-3)	STEL	885 mg/m3	
		300 ppm	
	TWA	590 mg/m3	
2-Butoxyethyl acetate (CAS 112-07-2)		200 ppm	
	TWA	33 mg/m3	
acetone (CAS 67-64-1)		5 ppm	
		590 mg/m3	
	TWA	250 ppm	
Aluminum (CAS 7429-90-5)		5 mg/m3	Respirable. Welding fume or pyrophoric powder. Total
		5 mg/m3	
	TWA	10 mg/m3	
Ethyl benzene (CAS 100-41-4)	STEL	545 mg/m3	
		125 ppm	
	TWA	435 mg/m3	
hydrodesulfurized heavy naphth (CAS 64742-82-1)		100 ppm	
	Ceiling	1800 mg/m3	
	TWA	5 mg/m3	Dust and fume.
STEL	950 mg/m3		
n-butyl acetate (CAS 123-86-4)		200 ppm	
		710 mg/m3	
	TWA	150 ppm	
	Ceiling	150 mg/m3	
n-butyl alcohol (CAS 71-36-3)		50 ppm	

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
2-butanone (CAS 78-93-3)	2 mg/l	MEK	Urine	*
acetone (CAS 67-64-1)	50 mg/l	Acetone	Urine	*
Ethyl benzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

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

## Exposure guidelines

### US - California OELs: Skin designation

n-butyl alcohol (CAS 71-36-3)

Can be absorbed through the skin.

### US - Minnesota Haz Subs: Skin designation applies

n-butyl alcohol (CAS 71-36-3)

Skin designation applies.

### US - Tennessee OELs: Skin designation

n-butyl alcohol (CAS 71-36-3)

Can be absorbed through the skin.

### US NIOSH Pocket Guide to Chemical Hazards: Skin designation

n-butyl alcohol (CAS 71-36-3)

Can be absorbed through the skin.

## Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

## Individual protection measures, such as personal protective equipment

### Eye/face protection

Wear safety glasses with side shields (or goggles) and a face shield.

### Skin protection

#### Hand protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

#### Other

Wear appropriate chemical resistant clothing.

### Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

## General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

### Appearance

#### Physical state

Liquid.

#### Form

Liquid.

#### Color

Not available.

### Odor

Not available.

### Odor threshold

Not available.

### pH

Not available.

### Melting point/freezing point

-129.64 °F (-89.8 °C) estimated

### Initial boiling point and boiling range

175.26 °F (79.59 °C) estimated

### Flash point

15.8 °F (-9.0 °C) estimated

### Evaporation rate

Not available.

### Flammability (solid, gas)

Not applicable.

### Upper/lower flammability or explosive limits

#### Flammability limit - lower (%)

1.4 % estimated

#### Flammability limit - upper (%)

11.3 % estimated

#### Explosive limit - lower (%)

Not available.

#### Explosive limit - upper (%)

Not available.

### Vapor pressure

48.99 hPa estimated

### Vapor density

Not available.

### Relative density

Not available.

<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	650 °F (343.33 °C) estimated
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	7.96 lbs/gal
<b>Flammability class</b>	Flammable IB estimated
<b>Percent volatile</b>	79.33 %
<b>Specific gravity</b>	0.96
<b>VOC</b>	5.7296329241977003 lbs/gal Material 5.7296656435044966 lbs/gal Regulatory 686.58191330661043 g/l Material 686.58583406114383 g/l Regulatory

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong acids. Strong oxidizing agents. Nitrates. Alkaline metals. Halogens. Ammonia. Amines. Isocyanates. Caustics.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Toxic if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.
<b>Skin contact</b>	Causes skin irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** Headache. May cause drowsiness and dizziness. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

### Information on toxicological effects

**Acute toxicity** Toxic if inhaled. Narcotic effects. May cause an allergic skin reaction.

Components	Species	Test Results
2-butanone (CAS 78-93-3)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 8000 mg/kg
<b>Inhalation</b>		
LC50	Mouse	11000 ppm, 45 Minutes
	Rat	11700 ppm, 4 Hours
<b>Oral</b>		
LD50	Mouse	670 mg/kg
	Rat	2300 - 3500 mg/kg

Components	Species	Test Results
2-Butoxyethyl acetate (CAS 112-07-2)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	1500 mg/kg
<b>Oral</b>		
LD50	Rat	2400 mg/kg
acetone (CAS 67-64-1)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	20000 mg/kg 20 ml/kg
<b>Inhalation</b>		
LC50	Rat	76 mg/l, 4 Hours 50.1 mg/l, 8 Hours
<b>Oral</b>		
LD50	Mouse	3000 mg/kg
	Rabbit	5340 mg/kg
	Rat	5800 mg/kg
Butyl benzyl phthalate (CAS 85-68-7)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Mouse	6700 mg/kg
	Rat	6700 mg/kg
<b>Oral</b>		
LD50	Rat	13500 mg/kg
Ethyl benzene (CAS 100-41-4)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	17800 mg/kg
<b>Oral</b>		
LD50	Rat	3500 mg/kg
hydrodesulfurized heavy naphth (CAS 64742-82-1)		
<b><u>Acute</u></b>		
<b>Inhalation</b>		
LC50	Rat	61 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	> 25 ml/kg
n-butyl acetate (CAS 123-86-4)		
<b><u>Acute</u></b>		
<b>Inhalation</b>		
LC50	Wistar rat	160 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	14000 mg/kg
n-butyl alcohol (CAS 71-36-3)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	3400 mg/kg
<b>Inhalation</b>		
LC50	Rat	8000 ppm, 4 Hours

Components	Species	Test Results
<b>Oral</b> LD50	Rat	790 mg/kg
Xylene (CAS 1330-20-7)		
<b>Acute</b>		
<b>Dermal</b> LD50	Rabbit	> 43 g/kg
<b>Inhalation</b>		
LC50	Mouse	3907 mg/l, 6 Hours
	Rat	6350 mg/l, 4 Hours
<b>Oral</b> LD50	Mouse	1590 mg/kg
	Rat	3523 - 8600 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** Causes serious eye damage.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** May cause genetic defects.

**Carcinogenicity** May cause cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Butyl benzyl phthalate (CAS 85-68-7)	3 Not classifiable as to carcinogenicity to humans.
Ethyl benzene (CAS 100-41-4)	2B Possibly carcinogenic to humans.
hydrodesulfurized heavy naphth (CAS 64742-82-1)	3 Not classifiable as to carcinogenicity to humans.
iron oxide (CAS 1309-37-1)	3 Not classifiable as to carcinogenicity to humans.
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity** Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. May damage fertility or the unborn child.

**Specific target organ toxicity - single exposure** May cause drowsiness and dizziness.

**Specific target organ toxicity - repeated exposure** Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Components	Species	Test Results
2-butanone (CAS 78-93-3)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia magna)
		4025 - 6440 mg/l, 48 hours
Fish	LC50	Sheepshead minnow (Cyprinodon variegatus)
		> 400 mg/l, 96 hours
acetone (CAS 67-64-1)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia magna)
		21.6 - 23.9 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)
		4740 - 6330 mg/l, 96 hours

Components	Species	Test Results
Aluminum (CAS 7429-90-5)		
<b>Aquatic</b>		
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss) 0.16 mg/l, 96 hours
Butyl benzyl phthalate (CAS 85-68-7)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia magna) > 0.96 mg/l, 48 hours
Fish	LC50	Shiner perch (Cymatogaster aggregata) 0.47 - 0.56 mg/l, 96 hours
Ethyl benzene (CAS 100-41-4)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia magna) 1.37 - 4.4 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) 7.5 - 11 mg/l, 96 hours
hydrodesulfurized heavy naphth (CAS 64742-82-1)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia pulex) 2.7 - 5.1 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss) 8.8 mg/l, 96 hours
		8.8 mg/l, 96 hours
n-butyl acetate (CAS 123-86-4)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow (Pimephales promelas) 17 - 19 mg/l, 96 hours
n-butyl alcohol (CAS 71-36-3)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia magna) 1897 - 2072 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus) 100 - 500 mg/l, 96 hours
Xylene (CAS 1330-20-7)		
<b>Aquatic</b>		
Fish	LC50	Bluegill (Lepomis macrochirus) 7.711 - 9.591 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

2-butanone	0.29
acetone	-0.24
Butyl benzyl phthalate	4.91
Ethyl benzene	3.15
hydrodesulfurized heavy naphth	3.16 - 7.15
n-butyl acetate	1.78
n-butyl alcohol	0.88
Xylene	3.12 - 3.2

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposal considerations**

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport information****DOT**

<b>UN number</b>	UN1263
<b>UN proper shipping name</b>	Paint, Paint Related Material, MARINE POLLUTANT (PALIOCROM GOLD L2000, TONER ADDITIVE BLEND)
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	3
<b>Packing group</b>	II
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	IB2, T7, TP1, TP8, TP28
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	202
<b>Packaging bulk</b>	242

**IATA**

<b>UN number</b>	UN1263
<b>UN proper shipping name</b>	Paint, Paint Related Material
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	II
<b>Environmental hazards</b>	Yes
<b>ERG Code</b>	3H
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed.
<b>Cargo aircraft only</b>	Allowed.

**IMDG**

<b>UN number</b>	UN1263
<b>UN proper shipping name</b>	Paint, Paint Related Material
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	II
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>EmS</b>	F-E, <u>S</u> -E
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

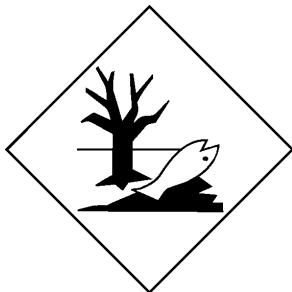
DOT



IATA; IMDG



Marine pollutant



General information

DOT Regulated Marine Pollutant. IMDG Regulated Marine Pollutant.

## 15. Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### TSCA Chemical Action Plans, Chemicals of Concern

Butyl benzyl phthalate (CAS 85-68-7)

Phthalates Action Plan

#### CERCLA Hazardous Substance List (40 CFR 302.4)

2-butanone (CAS 78-93-3)

Listed.

2-Butoxyethyl acetate (CAS 112-07-2)

Listed.

acetone (CAS 67-64-1)

Listed.

Butyl benzyl phthalate (CAS 85-68-7)

Listed.

Ethyl benzene (CAS 100-41-4)

Listed.

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

Listed.

n-butyl alcohol (CAS 71-36-3)

Listed.

Xylene (CAS 1330-20-7)

Listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### Hazard categories

Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
n-butyl alcohol	71-36-3	5 to <10
Xylene	1330-20-7	5 to <10
2-Butoxyethyl acetate	112-07-2	1 to <5
Aluminum	7429-90-5	1 to <5
Ethyl benzene	100-41-4	1 to <5

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

2-Butoxyethyl acetate (CAS 112-07-2)  
 Ethyl benzene (CAS 100-41-4)  
 Xylene (CAS 1330-20-7)

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

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

2-butanone (CAS 78-93-3) 6714  
 acetone (CAS 67-64-1) 6532

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

2-butanone (CAS 78-93-3) 35 %WV  
 acetone (CAS 67-64-1) 35 %WV

**DEA Exempt Chemical Mixtures Code Number**

2-butanone (CAS 78-93-3) 6714  
 acetone (CAS 67-64-1) 6532

**US state regulations****US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

2-butanone (CAS 78-93-3)  
 2-Butoxyethyl acetate (CAS 112-07-2)  
 acetone (CAS 67-64-1)  
 Aluminum (CAS 7429-90-5)  
 Butyl benzyl phthalate (CAS 85-68-7)  
 Ethyl benzene (CAS 100-41-4)  
 hydrodesulfurized heavy naphth (CAS 64742-82-1)  
 liquid HALS (CAS 41556-26-7)  
 Xylene (CAS 1330-20-7)

**US. Massachusetts RTK - Substance List**

2-butanone (CAS 78-93-3)  
 acetone (CAS 67-64-1)  
 Aluminum (CAS 7429-90-5)  
 Butyl benzyl phthalate (CAS 85-68-7)  
 Ethyl benzene (CAS 100-41-4)  
 iron oxide (CAS 1309-37-1)  
 n-butyl acetate (CAS 123-86-4)  
 n-butyl alcohol (CAS 71-36-3)  
 Xylene (CAS 1330-20-7)

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

2-butanone (CAS 78-93-3)  
 2-Butoxyethyl acetate (CAS 112-07-2)  
 acetone (CAS 67-64-1)  
 Aluminum (CAS 7429-90-5)  
 Butyl benzyl phthalate (CAS 85-68-7)

Ethyl benzene (CAS 100-41-4)  
iron oxide (CAS 1309-37-1)  
n-butyl acetate (CAS 123-86-4)  
n-butyl alcohol (CAS 71-36-3)  
Xylene (CAS 1330-20-7)

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

2-butanone (CAS 78-93-3)  
2-Butoxyethyl acetate (CAS 112-07-2)  
acetone (CAS 67-64-1)  
Aluminum (CAS 7429-90-5)  
Butyl benzyl phthalate (CAS 85-68-7)  
Ethyl benzene (CAS 100-41-4)  
iron oxide (CAS 1309-37-1)  
n-butyl acetate (CAS 123-86-4)  
n-butyl alcohol (CAS 71-36-3)  
Xylene (CAS 1330-20-7)

**US. Rhode Island RTK**

2-butanone (CAS 78-93-3)  
2-Butoxyethyl acetate (CAS 112-07-2)  
acetone (CAS 67-64-1)  
Aluminum (CAS 7429-90-5)  
Butyl benzyl phthalate (CAS 85-68-7)  
Ethyl benzene (CAS 100-41-4)  
n-butyl acetate (CAS 123-86-4)  
n-butyl alcohol (CAS 71-36-3)  
Xylene (CAS 1330-20-7)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Ethyl benzene (CAS 100-41-4) Listed: June 11, 2004

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

2-ethoxyethanol (CAS 110-80-5) Listed: January 1, 1989  
2-ethoxyethyl acetate (CAS 111-15-9) Listed: January 1, 1993  
Butyl benzyl phthalate (CAS 85-68-7) Listed: December 2, 2005

**US - California Proposition 65 - CRT: Listed date/Male reproductive toxin**

2-ethoxyethanol (CAS 110-80-5) Listed: January 1, 1989  
2-ethoxyethyl acetate (CAS 111-15-9) Listed: January 1, 1993

**International Inventories**

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

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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

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

Issue date 05-19-2015

**Version #** 01  
**HMIS® ratings** Health: 3\*  
Flammability: 3  
Physical hazard: 0  
**NFPA ratings** Health: 3  
Flammability: 3  
Instability: 0

**Disclaimer**

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