



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Aluma-Chrome Marine Wash Primer

**Other means of identification**

**Product Code** S-75

**Recommended use** Primer

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** New Nautical Coatings, Inc. 14805  
**Address** 49th St. North Clearwater, FL 33762

United States

**Telephone** General Assistance 727-523-8053

**E-mail** ContactUs@SeaHawkPaints.com

**Emergency phone numbers** : CHEMTREC day or night inside USA & Canada 1-800-424-9300  
: CHEMTREC day or night outside USA & Canada +1-703-741-5970  
: Poison Control Center 1-800-222-1222

## 2. Hazard(s) identification

**Physical hazards**

Flammable liquids Category 2

Acute toxicity, oral Category 4

**Health hazards**

Acute toxicity, inhalation Category 3

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 1

Sensitization, respiratory Category 1

Sensitization, skin Category 1

Germ cell mutagenicity Category 1B

Carcinogenicity Category 1A

Reproductive toxicity (the unborn child) Category 2

Specific target organ toxicity, single exposure Category 3 respiratory tract irritation

Specific target organ toxicity, single exposure Category 3 narcotic effects

Specific target organ toxicity, repeated exposure Category 2

**Environmental hazards**

Hazardous to the aquatic environment, acute hazard Category 2

Hazardous to the aquatic environment, long-term hazard Category 2

**OSHA defined hazards**

Not classified.

**Label elements**



**Signal word**

Danger

**Hazard statement**

Highly flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. Suspected of damaging the unborn child. May cause 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. In case of inadequate ventilation wear respiratory protection.

### Response

If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. 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

48.25% of the mixture consists of component(s) of unknown acute oral toxicity. 87.09% of the mixture consists of component(s) of unknown acute inhalation toxicity. 90.88% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 90.88% 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
isobutyl alcohol		78-83-1	10 to <20
Talc		14807-96-6	10 to <20
4-Methyl-2-pentanone		108-10-1	5 to <10
1,2,4-Trimethylbenzene		95-63-6	1 to <5
1-Methoxy-2-propyl acetate		108-65-6	1 to <5
4-Hydroxy-4-methyl-2-pentanone		123-42-2	1 to <5
light aromatic solvent naphtha		64742-95-6	1 to <5
Nitrocellulose		9004-70-0	1 to <5
Titanium dioxide		13463-67-7	1 to <5
zinc chromate		13530-65-9	1 to <5
Silicon dioxide		14808-60-7	0.1 to <1
Toluene		108-88-3	0.1 to <1
Other components below reportable levels			10 to <20

\*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.

<b>Ingestion</b>	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
<b>Most important symptoms/effects, acute and delayed</b>	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. May cause respiratory irritation. Difficulty in breathing. 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.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Carbon dioxide (CO2). 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.

## 6. Accidental release measures

<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 the 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. Use water spray to reduce vapors or divert vapor cloud drift. 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.

## Environmental precautions

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. Do not taste or swallow. 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 Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Type	Value
zinc chromate (CAS 13530-65-9)	TWA	0.005 mg/m3

#### 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	
4-Hydroxy-4-methyl-2-pentanone (CAS 123-42-2)	PEL	240 mg/m3 50 ppm	
4-Methyl-2-pentanone (CAS 108-10-1)	PEL	410 mg/m3 100 ppm	
isobutyl alcohol (CAS 78-83-1)	PEL	300 mg/m3 100 ppm	
Titanium dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.
zinc chromate (CAS 13530-65-9)	PEL	1 mg/m3	

#### US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value
Toluene (CAS 108-88-3)	Ceiling	300 ppm
	TWA	200 ppm

**US. OSHA Table Z-2 (29 CFR 1910.1000)**

Components	Type	Value
zinc chromate (CAS 13530-65-9)	Ceiling	0.1 mg/m3

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

Components	Type	Value	Form
Silicon dioxide (CAS 14808-60-7)	TWA	0.3 mg/m3	Total dust.
		0.1 mg/m3	Respirable.
Talc (CAS 14807-96-6)	TWA	2.4 mppcf	Respirable.
		0.3 mg/m3	Total dust.
		0.1 mg/m3	Respirable.
		20 mppcf	
		2.4 mppcf	Respirable.

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
1,2,4-Trimethylbenzene (CAS 95-63-6)	TWA	25 ppm	
2-butanone (CAS 78-93-3)	STEL	300 ppm	
	TWA	200 ppm	
4-Hydroxy-4-methyl-2-pentanone (CAS 123-42-2)	TWA	50 ppm	
	STEL	75 ppm	
isobutyl alcohol (CAS 78-83-1)	TWA	20 ppm	
	TWA	50 ppm	
Silicon dioxide (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
Toluene (CAS 108-88-3)	TWA	20 ppm	
zinc chromate (CAS 13530-65-9)	TWA	0.01 mg/m3	

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

Components	Type	Value	Form
1,2,4-Trimethylbenzene (CAS 95-63-6)	TWA	125 mg/m3	
		25 ppm	
2-butanone (CAS 78-93-3)	STEL	885 mg/m3	
		300 ppm	
		590 mg/m3	
		200 ppm	
4-Hydroxy-4-methyl-2-pentanone (CAS 123-42-2)	TWA	240 mg/m3	
		50 ppm	
4-Methyl-2-pentanone (CAS 108-10-1)	STEL	300 mg/m3	
		75 ppm	
		205 mg/m3	
isobutyl alcohol (CAS 78-83-1)	TWA	50 ppm	
		150 mg/m3	
		50 ppm	
Silicon dioxide (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable.

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

Components	Type	Value	Form
Toluene (CAS 108-88-3)	STEL	560 mg/m3	
		150 ppm	
	TWA	375 mg/m3	
		100 ppm	

**US. Workplace Environmental Exposure Level (WEEL) Guides**

Components	Type	Value
1-Methoxy-2-propyl acetate (CAS 108-65-6)	TWA	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	*
4-Methyl-2-pentanone (CAS 108-10-1)	1 mg/l	Methyl isobutyl ketone	Urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*
zinc chromate (CAS 13530-65-9)	25 µg/l	Total chromium	Urine	*
	10 µg/l	Total chromium	Urine	*

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

**Exposure guidelines****US - California OELs: Skin designation**

1-Methoxy-2-propyl acetate (CAS 108-65-6) Can be absorbed through the skin.  
Toluene (CAS 108-88-3) Can be absorbed through the skin.

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

Toluene (CAS 108-88-3) Skin designation applies.

**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** Wear positive pressure self-contained breathing apparatus (SCBA).

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

When using do not smoke. Keep away from food and drink. 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** Dark pink to. Light pink.

**Odor** Solvent.

**Odor threshold** Not available.

<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	-162.4 °F (-108 °C) estimated
<b>Initial boiling point and boiling range</b>	175.26 °F (79.59 °C) estimated
<b>Flash point</b>	15.8 °F (-9.0 °C) estimated
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	1.2 % estimated
<b>Flammability limit - upper (%)</b>	12 % estimated
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	55.05 hPa estimated
<b>Vapor density</b>	Not available.
<b>Relative density</b>	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>	759.2 °F (404 °C) estimated
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	8.72 lbs/gal
<b>Flammability class</b>	Flammable IB estimated
<b>Percent volatile</b>	61.1 %
<b>Specific gravity</b>	1.05
<b>VOC</b>	5.3 lbs/gal Material 5.3 lbs/gal Regulatory 638 g/l Material 638 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>	Hazardous polymerization does not occur.
<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 oxidizing agents. 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. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Skin contact</b>	Causes skin irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	Harmful if swallowed.

**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. May cause respiratory irritation. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

**Information on toxicological effects**

**Acute toxicity** Toxic if inhaled. Harmful if swallowed. Narcotic effects. May cause an allergic skin reaction. May cause respiratory irritation.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
1,2,4-Trimethylbenzene (CAS 95-63-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 3160 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 2000 ppm, 48 Hours
<b>Oral</b>		
LD50	Rat	6 g/kg
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
4-Hydroxy-4-methyl-2-pentanone (CAS 123-42-2)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	14.5 ml/kg
<b>Oral</b>		
LD50	Rat	4 g/kg
4-Methyl-2-pentanone (CAS 108-10-1)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 16000 mg/kg
<b>Inhalation</b>		
LC50	Rat	8.2 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	2080 mg/kg
isobutyl alcohol (CAS 78-83-1)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	3392 mg/kg
<b>Inhalation</b>		
LC50	Rat	8000 ppm, 4 Hours
LD50	Guinea pig	19.9 mg/l
	Rabbit	26.25 mg/l
	Rat	19.2 mg/l

Components	Species	Test Results
<b>Oral</b>		
LD50	Mouse	3500 mg/kg
	Rat	2.46 g/kg
Toluene (CAS 108-88-3)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	12124 mg/kg 14.1 ml/kg
<b>Inhalation</b>		
LC50	Mouse	5320 ppm, 8 Hours 400 ppm, 24 Hours
	Rat	26700 ppm, 1 Hours 12200 ppm, 2 Hours 8000 ppm, 4 Hours
<b>Oral</b>		
LD50	Rat	2.6 g/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** May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**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**

4-Methyl-2-pentanone (CAS 108-10-1)	2B Possibly carcinogenic to humans.
Silicon dioxide (CAS 14808-60-7)	1 Carcinogenic to humans.
Titanium dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans.
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.
zinc chromate (CAS 13530-65-9)	1 Carcinogenic to humans.

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

zinc chromate (CAS 13530-65-9)	Cancer
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**US. National Toxicology Program (NTP) Report on Carcinogens**

Silicon dioxide (CAS 14808-60-7)	Known To Be Human Carcinogen.
zinc chromate (CAS 13530-65-9)	Known To Be Human Carcinogen.

**Reproductive toxicity** Suspected of damaging the unborn child.

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

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

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** May cause 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
1,2,4-Trimethylbenzene (CAS 95-63-6)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow (Pimephales promelas) 7.19 - 8.28 mg/l, 96 hours

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
4-Hydroxy-4-methyl-2-pentanone (CAS 123-42-2)			
<b>Aquatic</b>			
Fish	LC50	Bluegill (Lepomis macrochirus)	420 mg/l, 96 hours
4-Methyl-2-pentanone (CAS 108-10-1)			
<b>Aquatic</b>			
Fish	LC50	Fathead minnow (Pimephales promelas)	492 - 593 mg/l, 96 hours
isobutyl alcohol (CAS 78-83-1)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia pulex)	950 - 1200 mg/l, 48 hours
Fish	LC50	Bleak (Alburnus alburnus)	1000 - 3000 mg/l, 96 hours
Titanium dioxide (CAS 13463-67-7)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours
Fish	LC50	Mummichog (Fundulus heteroclitus)	> 1000 mg/l, 96 hours
Toluene (CAS 108-88-3)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	5.46 - 9.83 mg/l, 48 hours
Fish	LC50	Coho salmon, silver salmon (Oncorhynchus kisutch)	8.11 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
4-Hydroxy-4-methyl-2-pentanone	-0.098
4-Methyl-2-pentanone	1.31
isobutyl alcohol	0.76
Toluene	2.73

**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**

<b>Disposal instructions</b>	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.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	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).
<b>Contaminated packaging</b>	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 (ACID ETCH CHROMATE DISPERSION)
<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.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established.

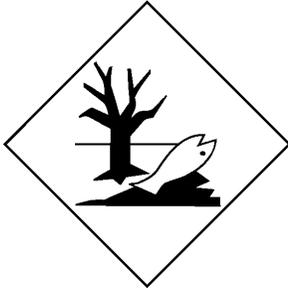
### DOT



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)

zinc chromate (CAS 13530-65-9) 0.1 % Annual Export Notification required.

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

2-butanone (CAS 78-93-3) Listed.  
4-Methyl-2-pentanone (CAS 108-10-1) Listed.  
isobutyl alcohol (CAS 78-83-1) Listed.  
Nitrocellulose (CAS 9004-70-0) Listed.  
Toluene (CAS 108-88-3) Listed.

#### SARA 304 Emergency release notification

Not regulated.

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

zinc chromate (CAS 13530-65-9) Cancer  
Eye irritation  
Skin sensitization

### 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.
4-Methyl-2-pentanone	108-10-1	5 to <10
1,2,4-Trimethylbenzene	95-63-6	1 to <5
Toluene	108-88-3	0.1 to <1

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

4-Methyl-2-pentanone (CAS 108-10-1)  
Toluene (CAS 108-88-3)

zinc chromate (CAS 13530-65-9)

**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
4-Methyl-2-pentanone (CAS 108-10-1)	6715
Toluene (CAS 108-88-3)	6594

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

2-butanone (CAS 78-93-3)	35 %WV
4-Methyl-2-pentanone (CAS 108-10-1)	35 %WV
Toluene (CAS 108-88-3)	35 %WV

**DEA Exempt Chemical Mixtures Code Number**

2-butanone (CAS 78-93-3)	6714
4-Methyl-2-pentanone (CAS 108-10-1)	6715
Toluene (CAS 108-88-3)	594

**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))**

1,2,4-Trimethylbenzene (CAS 95-63-6)  
2-butanone (CAS 78-93-3)  
4-Methyl-2-pentanone (CAS 108-10-1)  
light aromatic solvent naphtha (CAS 64742-95-6)  
Silicon dioxide (CAS 14808-60-7)  
Talc (CAS 14807-96-6)  
Titanium dioxide (CAS 13463-67-7)  
Toluene (CAS 108-88-3)  
zinc chromate (CAS 13530-65-9)

**US. Massachusetts RTK - Substance List**

1,2,4-Trimethylbenzene (CAS 95-63-6)  
2-butanone (CAS 78-93-3)  
4-Hydroxy-4-methyl-2-pentanone (CAS 123-42-2)  
4-Methyl-2-pentanone (CAS 108-10-1)  
isobutyl alcohol (CAS 78-83-1)  
Nitrocellulose (CAS 9004-70-0)  
Silicon dioxide (CAS 14808-60-7)  
Talc (CAS 14807-96-6)  
Titanium dioxide (CAS 13463-67-7)  
Toluene (CAS 108-88-3)  
zinc chromate (CAS 13530-65-9)

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

1,2,4-Trimethylbenzene (CAS 95-63-6)  
2-butanone (CAS 78-93-3)  
4-Hydroxy-4-methyl-2-pentanone (CAS 123-42-2)  
4-Methyl-2-pentanone (CAS 108-10-1)  
isobutyl alcohol (CAS 78-83-1)  
Nitrocellulose (CAS 9004-70-0)  
Silicon dioxide (CAS 14808-60-7)  
Talc (CAS 14807-96-6)  
Titanium dioxide (CAS 13463-67-7)  
Toluene (CAS 108-88-3)  
zinc chromate (CAS 13530-65-9)

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

1,2,4-Trimethylbenzene (CAS 95-63-6)  
2-butanone (CAS 78-93-3)  
4-Hydroxy-4-methyl-2-pentanone (CAS 123-42-2)  
4-Methyl-2-pentanone (CAS 108-10-1)  
isobutyl alcohol (CAS 78-83-1)

Nitrocellulose (CAS 9004-70-0)  
 Silicon dioxide (CAS 14808-60-7)  
 Talc (CAS 14807-96-6)  
 Titanium dioxide (CAS 13463-67-7)  
 Toluene (CAS 108-88-3)  
 zinc chromate (CAS 13530-65-9)

**US. Rhode Island RTK**

1,2,4-Trimethylbenzene (CAS 95-63-6)  
 2-butanone (CAS 78-93-3)  
 4-Methyl-2-pentanone (CAS 108-10-1)  
 isobutyl alcohol (CAS 78-83-1)  
 Toluene (CAS 108-88-3)

**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**

4-Methyl-2-pentanone (CAS 108-10-1)	Listed: November 4, 2011
Ethanol (CAS 64-17-5)	Listed: April 29, 2011
	Listed: July 1, 1988
Ethyl benzene (CAS 100-41-4)	Listed: June 11, 2004
Silicon dioxide (CAS 14808-60-7)	Listed: October 1, 1988
Titanium dioxide (CAS 13463-67-7)	Listed: September 2, 2011
zinc chromate (CAS 13530-65-9)	Listed: February 27, 1987

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

4-Methyl-2-pentanone (CAS 108-10-1)	Listed: March 28, 2014
Ethanol (CAS 64-17-5)	Listed: October 1, 1987
Toluene (CAS 108-88-3)	Listed: January 1, 1991
zinc chromate (CAS 13530-65-9)	Listed: December 19, 2008

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

Toluene (CAS 108-88-3)	Listed: August 7, 2009
zinc chromate (CAS 13530-65-9)	Listed: December 19, 2008

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

zinc chromate (CAS 13530-65-9)	Listed: December 19, 2008
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**International Inventories**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
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** 04-28-2015  
**Version #** 01  
**HMIS® ratings** Health: 3\*  
 Flammability: 3  
 Physical hazard: 0

**NFPA ratings**

Health: 3  
Flammability: 3  
Instability: 0

**Disclaimer**

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