

# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT ULTRA GARD

FILE NO.: AG438- 6110

MSDS DATE: 12/14/2015

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: ULTRA GARD BOTTOM PAINT RED

PRODUCT CODES 65102, 65002

USES: Bottom paint for pleasure crafts.  
Do not use for any application other than its intended use.

This Safety Data Sheet has been updated in accordance with the Global Harmonized System (GHS).

MANUFACTURER: Flexabar Corporation

ADDRESS:

1969 Rutgers Blvd. Lakewood, New Jersey USA 08701  
Tel (732) 901-6500

EMERGENCY PHONE: 1-800-424-9300  
CHEMTREC 24 Hour Emergency Response: 1-800-424-9300  
Information: SDS Coordinator: 1-732-901-6500  
FAX PHONE: 1-732-901-6504

**FLEXDEL**  
c o r p o r a t i o n

PREPARED BY: Flexabar Information Services

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## SECTION 2: HAZARD(S) IDENTIFICATION

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### EMERGENCY OVERVIEW:

Causes irritation to the skin, eyes, mucous membranes and respiratory tract.  
Can be absorbed through the skin causing systemic effects.

### GHS Classification:

H326 Flammable liquid and vapor  
H302 Harmful if swallowed  
H313 May be Harmful in contact with skin  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
May cause an allergic skin reaction  
H410 Very toxic to aquatic life with long lasting effects

### GHS Label elements:

#### Pictograms:



Signal Word: **Danger**

H326 Flammable liquid and vapor  
H302 Harmful if swallowed  
H313 May be Harmful in contact with skin  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
May cause an allergic skin reaction  
H410 Very toxic to aquatic life with long lasting effects

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.  
P260 Do not breathe mist / vapors / spray.  
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.

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P280 Wear protective gloves / eye protection / face protection.  
 P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302+352 IF ON SKIN: Wash with soap and water.  
 P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
 P312 Call a POISON CENTER or doctor / physician if you feel unwell. P330 Rinse mouth.  
 P331 Do NOT induce vomiting.  
 P333+313 If skin irritation or a rash occurs: Get medical advice/attention. P337 If eye irritation persists:  
 P362 Take off contaminated clothing and wash before reuse. P363 Wash contaminated clothing before reuse.  
 P370 In case of fire: Use water spray, fog, or regular foam.. P391 Collect spillage.  
 P403+233 Store in a well ventilated place. Keep container tightly closed.  
 P501 Dispose of contents / container in accordance with local / national regulations. HMIS Rating

Health: 2\*

Flammability: 3

Reactivity: 0

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Cuprous Oxide CAS# 1317-39-1	35.0 – 40.0	Acute toxicity (4) Harmful if swallowed, H302 Aquatic Acute Very toxic to aquatic life, H400 Aquatic Chronic Very toxic to aquatic life with long lasting effects, H410	1, 2
Xylenes (mixed isomers) CAS# 1330-20-7	15.0 – 20.0	Flam. Liq. (3); Flammable liquid and vapor, H226 Acute Tox. (4); Harmful if inhaled, H332 Acute Tox. (4); Harmful in contact with skin, H312 Skin Irrit. (2); Causes skin irritation, H315 Eye Irrit. (920); Causes serious eye irritation, H319 STOT (SE) (3); May cause respiratory irritation, H335 Asp. Tox. (1); May be fatal if swallowed and enters airways, H304	1,2
Mineral Spirits (Stoddard solvent) CAS# 8052-41-3	15.0 – 20.0	Flam. Liq. (3); Flammable liquid and vapor, H226 Acute Tox. (4); Harmful if inhaled, H332 Skin Irrit. (2); Causes skin irritation, H315 Eye Irrit. (920); Causes serious eye irritation, H319 STOT (SE) (3); May cause respiratory irritation, H335 STOT (SE) (3) Narcotic Effects STOT (RE) (2); Central nervous system (CNS) Asp. Tox. (1); May be fatal if swallowed and enters airways, H304	1, 2
Kaolin CAS# 1317-70-0	3.0 – 7.0	-----	1, 2
Zinc Oxide CAS# 1314-13-2	1.0 – 5.0	Aquatic Acute Very toxic to aquatic life, H400 Aquatic Chronic Very toxic to aquatic life with long lasting effects, H410	1, 2

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Ethylbenzene CAS# 100-41-4	3.0 – 5.0	Flam. Liq. (2); HIGHLY FLAMMABLE Liquid and Vapor, H225 Acute Tox. (4); Harmful if inhaled, H332 Asp. Tox. (1); may be fatal if swallowed and enters airways, H304 Eye Irrit. (2); Causes serious eye irritation, H319 Skin Irrit. (2); Causes skin irritation, H315 STOT (SE) (3); May cause respiratory irritation, H335 STOT (RE) (2); May cause damage to organs through prolonged or repeated contact, H373	1, 2
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GHS Classification Scale (1 = severe; 4 = slight)

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit

[3] PBT substance or vPvb substance

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

**General** Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean contaminated shoes.

**Inhalation** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Eyes** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin** In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.

**Ingestion** If swallowed, immediately contact Poison Control Center. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

### Important symptoms and effects, acute and delayed

**Overview** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.

**Inhalation** Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing Dizziness, headache or nausea.

**Eyes** Causes severe eye irritation. Avoid contact with eyes.

**Skin** Causes skin irritation. May be harmful if absorbed through skin.

**Ingestion** Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea or drowsiness.

**Chronic effects** Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data. Risk of cancer dependent on duration and level of exposure.

## SECTION 5: FIRE-FIGHTING MEASURES

### CLEAR THE AREA OF ALL NON FIRE-FIGHTING PERSONAL

Extinguishing media;

CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient.

SMALL FIRES: Use dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

LARGE FIRES: Use water spray, fog, or alcohol-resistant foam. Do not use straight streams. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.

Special hazards arising from the substance or mixture;

May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon

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Dioxide and Carbon Monoxide.

Advice for fire-fighters;

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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- |                                       |  |
|---------------------------------------|--|
| <b>Personal precautions</b>           | Wear adequate/appropriate personal protection equipment.   |
| <b>Emergency procedures</b>           | Eliminate all potential sources of ignition.   |
| <b>Environmental precautions</b>      | Prevent further leakage or spillage if safe to do so. Do not let product enter drains or soil. Discharge into the environment must be avoided. |
| <b>Methods of containment/cleanup</b> | Contain liquid with dirt, sand, vermiculite or other noncombustible solids. Transfer to a metal container for disposal.                        |

CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet).

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## SECTION 7: HANDLING AND STORAGE

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- |                                   |   |
|-----------------------------------|---|
| <b>Handling</b>                   | Wear adequate personal protective equipment.<br>Keep containers tightly closed.<br>Avoid breathing vapors.<br>Avoid contact with skin or eyes.<br>Keep away from heat, spark and open flames.<br>Ground all equipment and comply with National Electric Code. |
| <b>Storage</b>                    | Store in a cool, dry, well-ventilated area away from sources of ignition.   |
| <b>Incompatibilities</b>          | Oxidizing agents, including nitric acid and peroxides.  |
| <b>Suitable Packing Materials</b> | Steel, Stainless steel (tanks/containers)<br>Do <b>NOT</b> store in lead or synthetic containers  |

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

In the absence occupational exposure standards for this product, it is recommended that the following are adopted.

CAS #	Ingredient	Source	
1330-20-7	Xylene (mixed Isomers)	OSHA	100 ppm TWA; 435 mg/m <sup>3</sup> TWA; 150 ppm STEL; 655 mg/m <sup>3</sup> STEL
		ACGIH	100 ppm TWA; 150 ppm STEL
		NIOSH	No Established Limit
8052-41-3	Mineral Spirits (Stoddard Solvent)	OSHA	550 ppm TWA; 2900 mg/m <sup>3</sup> TWA
		ACGIH	100 ppm TWA
		NIOSH	350 mg/m <sup>3</sup> TWA; 1800mg/m <sup>3</sup> Ceiling (15 min); 20000 mg/m <sup>3</sup> IDLH
100-41-4	Ethylbenzene	OSHA	100 ppm TWA; 435 mg/m <sup>3</sup> TWA 125 ppm STEL; 545 mg/m <sup>3</sup> STEL
		ACGIH	20 ppm TWA
		NIOSH	100 ppm TWA; 435 mg/m <sup>3</sup> TWA 125 ppm STEL; 545 mg/m <sup>3</sup> STE; L800 ppm IDLH (10% LEL)
1317-39-1	Cuprous Oxide	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
1314-13-2	Zinc Oxide	OSHA	5 mg/m <sup>3</sup> TWA (fume); 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction) 10 mg/m <sup>3</sup> STEL (fume)
		ACGIH	2 mg/m <sup>3</sup> TWA (respirable fraction) 10 mg/m <sup>3</sup> STEL (respirable fraction)
		NIOSH	5 mg/m <sup>3</sup> TWA (dust and fume) 10 mg/m <sup>3</sup> STEL (fume) 15 mg/m <sup>3</sup> Ceiling (dust) 500 mg/m <sup>3</sup> IDLH
1332-58-7	Kaolin	OSHA	PEL 5 mg/m <sup>3</sup> Respirable fraction; PEL 15 mg/m <sup>3</sup> Total dust; TWA value 10mg/m <sup>3</sup> Total dust; TWA value 5mg/m <sup>3</sup> Respirable fraction
		ACGIH	TEA value 2mg/m <sup>3</sup> Respirable fraction; The value is for particulate matter containing no asbestos and <1% crystalline silica
		NIOSH	No Established Limit

PEL = Permissible Exposure Limits

TLV = Threshold Limit Value

EL = Excursion Limit

TWA = Time Weighted Average (8 hr.)

STEL = Short Term Exposure Limit (15 min.)

WEEL = Workplace Environmental Exposure Level

### Exposure Controls:

#### Respiratory

Select equipment to provide protection from the ingredients listed in section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor or mist levels above the applicable limits, wear appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use.

#### Eyes

Avoid contact with eyes. Protective equipment should be selected to provide protection from the ingredients listed in section 3 of this document. Depending on site and application method specific conditions, safety glasses, chemical goggles, and or head and face protection may be required. All equipment must be thoroughly cleaned or discarded after use.

#### Skin

Select equipment to provide protection from the ingredients listed in section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. All equipment must be thoroughly cleaned or discarded after each use.

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**Engineering Controls** Ensure adequate ventilation to keep exposure levels at a minimum under the specific conditions.

**Other Work Practices** Emergency eye wash stations and safety showers should be available in the immediate work area. Use good Personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove exposed/spoiled clothing and wash separately before reuse. Shower after work using plenty of soap and water.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** RED VISCOUS LIQUID

**ODOR:** TYPICAL HYDROCARBON

**PHYSICAL STATE:** LIQUID

**pH AS SUPPLIED:** NA

**pH (Other):**

**BOILING POINT:**

F: 280.4 (Xylene)

C: 138.0 (Xylene)

**FFLASH POINT:**

F: 80.6 (closed cup) (Xylene)

C: 27.0 (Closed cup) (Xylene)

**MELTING POINT:**

F: NA

C: NA

**FREEZING POINT:**

F: NA

C: NA

**VAPOR PRESSURE AIR** = Not measured

**VAPOR DENSITY AIR** = Heavier than air

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):**

1.7959 @

68° F:

20° C:

**EVAPORATION RATE:** Not Measured

B<sub>Ac</sub> (=1): .1

**SOLUBILITY IN WATER:** NEGLIGBLE

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## SECTION 10: STABILITY AND REACTIVITY

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Reactivity	No data available
Chemical stability	This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fume generation can occur if improperly handled.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION:

Breathing large amounts of hydrocarbon/ketone solvents for short periods of time adversely effects the human nervous system, the kidneys, liver, and the heart. Repeatedly breathing large amounts of toluene as when "sniffing glue" or paint can cause permanent brain damage. Human exposure studies and animal studies suggest that exposure to large amounts of solvents during pregnancy can adversely affect the developing fetus.

Ingredient	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation Vapor	Eye Damage/irritation
Mineral Spirits (Stoddard Solvent) CAS# 8052-41-3	No data available	No data available	No data available	No data available
Xylene (mixed Isomers) CAS# 1330-20-7	4,299.00 Rat	1548.00 Rabbit	20.00 LD50, mg/l 4hr	20.00 LD50, mg/l 4hr
Ethylbenzene CAS# 100-41-4	3500.00 Rat	15,433 Rabbit	17.20 LD50, mg/l 4hr	20.00 LD50, mg/l 4hr
Cuprous Oxide CAS# 1317-39-1	No Data	Not Classified	Nat Classified	Not Classified
Zinc Oxide CAS# 1314-13-2	>5000 Rat	No sensitizing effects known	5.7 mg/l (rat) (4hr)	No sensitizing effects known

All ingredient values, literature values

Item	Category	Hazard
Acute Toxicity (mouth)	Not Classified	Not Applicable
Acute Toxicity (skin)	Not Classified	Not Applicable
Acute Toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	3	Causes mild skin irritation.
Eye damage/irritation	Not Classified	Not Applicable
Sensitization (respiratory)	Not Classified	Not Applicable
Sensitization (skin)	Not Classified	Not Applicable
Germ toxicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive Toxicity	Not Classified	Not Applicable
Specific target organ systemic toxicity (single exposure)	Not Classified	Not Applicable
Specific target organ systemic Toxicity (repeated exposure)	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

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## SECTION 12: ECOLOGICAL INFORMATION

Ingredient	Toxicity to fish LC50	Toxicity to invertebrates LC50	Toxicity to algae EC50	Biodegradation	Bioaccumulation	Mobility in soil
Xylene (mixed Isomers) CAS# 1330-20-7	19000 µg/l Lepomis macrochis (96 hr.)	Daphnia Magna- Neonate 2930 µg/l (48.0 hr.)	1000 µg/l C96 hr.)	Rapidly degradable	Not expected to bioaccumulate.	Low potential for soil adsorption
Ethylbenzene CAS# 100-41-4	Fathead minnow 0.85 mg/l (96.0 hr)	Daphnia Magna- Neonate 2930 µg/l (48.0 hr.)	1000 µg/l C96 hr.)	81% Readily biodegradable. (C.4C of the council regulation (EC) No 440/2008)	Fat head minnow 11 day 0.0348 mg/l Bioconcentration factor (BCF): 2,165 Does not bioaccumulate	No Data Available
Cuprous Oxide	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
Zinc Oxide	No Data Available	No Data Available	IC50 (72h)0.21 mg/l	No Data Available	Not expected to bioaccumulate	No Data Available

All ingredient Values, literature values

Persistence and degradability	No data available
Bio accumulative potential	Not Measured
Mobility in soil	No data available
Results of PBT and vPvB assessment	This product contains no PBT/vPvB chemicals.
Other adverse effects	No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

**Material Disposal** : Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with local regulations. Do not dispose of into the environment, in drains or in watercourses. Waste product should not be allowed to contaminate soil or water.

**Container Disposal** : Drain container thoroughly. After draining, vent in a safe place away from sparks, fire and other ignition sources. Residues may cause an explosion hazard. Render containers unusable and offer for reclaiming or recycling.

### SECTION 13 NOTES:



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## SECTION 14: TRANSPORT INFORMATION

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US DOT HAZARD CLASS:.....PAINT FLAMMABLE LIQUID

UN-number: 1263

Proper shipping name: Paint

Sea (IMDG):

Class: 3  
PG: III  
MP: Yes  
EmS: F-E, S-E  
MFAG: 1

Inland waterways: to be handled locally

Air (ICAO/IATA)

Class: 3  
PG: III

Land (RID/ADR)

Class: 3  
PG: III  
Primary Risk label: 3

SECTION 14 NOTES:

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## SECTION 15: REGULATORY INFORMATION

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### EPA REGISTRATION NO. 9339-33

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

#### DOT Marine Pollutants (10%):

(No Product Ingredients Listed) DOT

#### Severe Marine Pollutants (1%)

Copper

#### EPCRA 311/312 Chemicals and RQs (>.1%) :

Copper (5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diame)

Benzene, ethyl- (1000 lb final RQ; 454 kg final RQ)

Xylenes (o-, m-, p- isomers) (100 lb final RQ; 45.4 kg final RQ)

#### EPCRA 302 Extremely Hazardous (>.1%) :

(No Product Ingredients Listed)

#### EPCRA 313 Toxic Chemicals (>.1%) :

Copper

Benzene, ethyl-

Xylenes (o-, m-, p- isomers) Mass

#### RTK Substances (>1%) :

Copper Benzene, ethyl-

Xylenes (o-, m-, p- isomers) Zinc  
oxide

#### Penn RTK Substances (>1%) :

Copper Benzene, ethyl-

Xylenes (o-, m-, p- isomers) Zinc  
oxide

#### Penn Special Hazardous Substances (>.01%) :

(No Product Ingredients Listed)

#### RCRA Status:

(No Product Ingredients Listed) N.J.

Copper Benzene, ethyl-

Xylenes (o-, m-, p- isomers) Zinc  
oxide

#### N.J. Special Hazardous Substances (>.01%) :

black Benzene, ethyl- Silica,

Xylenes (o-, m-, p- isomers)

#### N.J. Env. Hazardous Substances (>.1%) : Copper

Benzene, ethyl-

Xylenes (o-, m-, p- isomers)

#### Proposition 65 - Carcinogens (>0%):

Benzene, ethyl-

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## SECTION 16: OTHER INFORMATION

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**Use restrictions:** As stated in section one of this document and on label.

**MSDS distribution:** The information in this document should be made available all who may handle the product.

**ABBREVIATIONS:**

- ACGIH = American Conference of Governmental Industrial Hygienists
- OSHA = Occupational Safety and Health Administration
- TLV = Threshold Limit Value
- TWA = Time Weighted Average
- PEL = Permissible Exposure Limit
- STEL = Short Term Exposure Limit
- Bac = Butyl Acetate
- NA = Not Applicable

**PREPARATION INFORMATION:** HMIS Hazard Ratings Scale 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Extreme  
Check with supervisor for appropriate personal protection in accordance with rating.

### DISCLAIMER:

The information contained herein relates only to the specific material identified. Flexabar Corporation believes that the information is accurate and reliable as of the preparation date of this material safety data sheet, but no representation, guarantee or warranty expressed or implied is made as to the accuracy, reliability or completeness of the information. Flexabar Corporation urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

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