



# Peak -50 F Burst Ethanol RV & Marine Antifreeze

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Peak -50 F Burst Ethanol RV & Marine Antifreeze

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

Use of the substance/mixture : RV & Marine Antifreeze

#### 1.3. Details of the supplier of the safety data sheet

Old World Industries, LLC  
4065 Commercial Ave.  
Northbrook, IL 60062 - USA  
T (847) 559-2000  
[www.oldworldind.com](http://www.oldworldind.com)

#### 1.4. Emergency telephone number

Emergency number : (800) 424-9300; (703) 527 3887 (International)  
Chemtrec

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flam. Liq. 4 H227  
Carc. 1A H350  
Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS02

GHS08

Signal word (GHS-US) : Danger  
Hazard statements (GHS-US) : H227 - Combustible liquid  
H350 - May cause cancer  
Precautionary statements (GHS-US) : P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking  
P280 - Wear personal protective equipment as required  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P370+P378 - In case of fire: Use Carbon dioxide, foam, sand, Dry powder to extinguish  
P403+P235 - Store in a well-ventilated place. Keep cool  
P405 - Store locked up  
P501 - Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/regional/national/international regulations

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

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Name	Product identifier	% by wt	GHS-US classification
ethanol	(CAS No) 64-17-5	< 20	Flam. Liq. 2, H225 Carc. 1A, H350

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Allow the victim to rest. If you feel unwell, seek medical advice.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 30 minutes, lifting lower and upper lids. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical advice. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Obtain emergency medical attention. Rinse mouth. Drink plenty of water. Do NOT induce vomiting.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause cancer by inhalation. Not expected to present a significant ingestion hazard under anticipated conditions of normal use.
- Symptoms/injuries after skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use. Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis.
- Symptoms/injuries after eye contact : May cause slight irritation.
- Symptoms/injuries after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Effects of ethanol ingestion are dependant on the amount and rate of consumption. . Short term overexposure may result in drunkenness, depression of the central nervous system, nausea, vomiting, diarrhea, or liver damage.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Sand. Water spray. Water fog.
- Unsuitable extinguishing media : Do not use a heavy water stream. Will float and can be reignited on water surface.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapor.
- Explosion hazard : May form flammable/explosive vapor-air mixture.

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special protective equipment for fire fighters : Wear positive pressure self-contained breathing apparatus (SCBA). Protective fire fighting clothing (includes fire-fighting helmet, coat, pants, boots and gloves).

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection. Refer to section 8.2.
- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.  
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lighting, ventilating equipment.  
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep in fireproof place. Keep container tightly closed.  
Incompatible products : Keep away from strong acids, strong bases and oxidizing agents.  
Incompatible materials : Sources of ignition. Heat sources.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

ethanol (64-17-5)		
USA ACGIH	ACGIH STEL (ppm)	1,000.00 ppm
USA ACGIH	Remark (ACGIH)	URT irr
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1,900.00 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	1,000.00 ppm

### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure. Gloves. Protective goggles.



Hand protection : Wear suitable gloves resistant to chemical penetration.  
Eye protection : Chemical goggles or safety glasses.  
Respiratory protection : If exposed to levels above exposure limits wear appropriate respiratory protection.  
Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Color : Red  
Odor : Almost odorless  
Odor threshold : No data available  
Relative evaporation rate (butylacetate=1) : Not Determined  
Freezing point : No data available  
Boiling point : 85 - 93 °C (185 - 200 °F)  
Flash point : 43 °C (110 °F)  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available

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Vapor pressure	: 44.6 mm Hg @ 68 °F
Relative vapor density at 20 °C	: Not determined
Specific Gravity	: 0.97 @ 70 °F
Solubility	: Water: Complete
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: 3.3 - 21 vol %

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Extremely high or low temperatures. Open flame.

### 10.5. Incompatible materials

Keep away from strong acids, strong bases and oxidizing agents.

### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

ethanol (64-17-5)	
LD50 oral rat	10,740 mg/kg bodyweight (Rat; Experimental value,Rat; Experimental value)
LD50 dermal rabbit	> 16,000 mg/kg (Rabbit)
ATE US (oral)	10,740 mg/kg bodyweight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.

ethanol (64-17-5)	
IARC group	1 - Carcinogenic to humans
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause cancer by inhalation. Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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- Symptoms/injuries after skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use. Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis.
- Symptoms/injuries after eye contact : May cause slight irritation.
- Symptoms/injuries after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Effects of ethanol ingestion are dependant on the amount and rate of consumption. . Short term overexposure may result in drunkenness, depression of the central nervous system, nausea, vomiting, diarrhea, or liver damage.

### SECTION 12: Ecological information

#### 12.1. Toxicity

ethanol (64-17-5)	
LC50 fish 1	14,200 mg/l (96 h; Pimephales promelas; Nominal concentration)
EC50 Daphnia 1	9,300 mg/l (48 h; Daphnia magna)
LC50 fish 2	13,000 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 2	10,800 mg/l (24 h; Daphnia magna)
Threshold limit other aquatic organisms 1	65 mg/l (72 h; Protozoa)
Threshold limit algae 1	1,450 mg/l (192 h; Microcystis aeruginosa; Growth rate)
Threshold limit algae 2	5,000 mg/l (168 h; Scenedesmus quadricauda; Growth rate)

#### 12.2. Persistence and degradability

ethanol (64-17-5)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	0.8 - 0.967 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.70 g O <sub>2</sub> /g substance
ThOD	2.10 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.43 % ThOD

#### 12.3. Bioaccumulative potential

ethanol (64-17-5)	
Log Pow	-0.31 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

#### 12.4. Mobility in soil

ethanol (64-17-5)	
Surface tension	0.022 N/m (20 °C)

#### 12.5. Other adverse effects

- Effect on ozone layer :
- Effect on global warming : No known ecological damage caused by this product.
- Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/regional/national/international regulations.
- Additional information : Handle empty containers with care because residual vapors are flammable.
- Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

- In accordance with DOT
- Not a dangerous good in sense of transport regulations
- Other information : In accordance with DOT, this product is not regulated for ground transportation because it has been redefined as a combustible liquid per 49 CFR 173.150 (f)(3).

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### ADR

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Peak -50 F Burst Ethanol RV & Marine Antifreeze

EPA TSCA Regulatory Flag

Toxic Substances Control Act (TSCA): The intentional ingredients of this product are listed

### 15.2. International regulations

#### CANADA

#### Peak -50 F Burst Ethanol RV & Marine Antifreeze

WHMIS Classification

Class B Division 3 - Combustible Liquid

Class D Division 2 Subdivision B - Toxic material causing other toxic effects

#### WHMIS Classification



Class B Division 3 -  
Combustible Liquid

Class D Division 2  
Subdivision B -  
Toxic material  
causing other toxic  
effects

#### EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

#### 15.2.2. National regulations

#### Peak -50 F Burst Ethanol RV & Marine Antifreeze

DSL (Canada): The intentional ingredients of this product are listed

### 15.3. US State regulations

## SECTION 16: Other information

Full text of H-phrases:

Carc. 1A	Carcinogenicity, Category 1A
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 4	Flammable liquids, Category 4
H225	Highly flammable liquid and vapor
H227	Combustible liquid
H350	May cause cancer

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|--------------------|--|
| NFPA health hazard | : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.  |
| NFPA fire hazard   | : 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur. |
| NFPA reactivity    | : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.         |



SDS GHS US (GHS HazCom 2012) OWI

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