



# 23264 Extra Flush

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 03/27/2018

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Version: 2.1

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
Trade name : 23264 Extra Flush  
Product code : 23264

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

Tire Seal, Inc.  
3574 Corona Street  
33461 Lake Worth, Florida - USA  
T 561-582-2245 - F 561-582-1499  
[www.supercool.ac](http://www.supercool.ac)

#### 1.4. Emergency telephone number

Emergency number : USA PHONE:1-800-373-7542, INT'L: 1-484-951-2432  
DGA/AAG ENVIRONMENTAL CONTRACT: DGA4000-048

### SECTION 2: Hazard identification

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

##### Classification (GHS-CA)

Flammable liquids Category 3 H226

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-CA labeling

Hazard pictograms (GHS-CA) :



Signal word (GHS-CA) : Warning

Hazard statements (GHS-CA) : H226 - Flammable liquid and vapour

Precautionary statements (GHS-CA) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting equipment.  
P242 - Use only non-sparking tools.  
P243 - Take action to prevent static discharges.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P370+P378 - In case of fire: Use media other than water to extinguish.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards

No additional information available

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

No data available

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
ethyl lactate	00693,ARCH / 2-hydroxypropanoate d'éthyle / 2-hydroxypropanoic acid ethyl ester / 2-Hydroxypropionsäureethylester / 2-Hydroxypropionsäureethylester / actylol / acytol / ester éthylique de l'acide lactique / ethyl DL-lactate / ethyl lactate / Ethyl-2-hydroxypropanoat / ethyl-2-hydroxypropanoate / Ethyl-2-hydroxypropionat / ethyl-2-hydroxypropionate / Ethyl-alpha-hydroxypropanoat / Ethyl-alpha-hydroxypropionat / ethyl-alpha-hydroxypropionate / ethylelactate / ethyllactate,(D/L)- / etilo lactato / etylisolaktat / lactic acid ethyl ester / lattato di etile / levo-propanoic acid 2-hydroxyethyl ester / milchsäureethylester / propanoate éthylique 2-hydroxique / propanoic acid, 2-hydroxy-, ethyl ester / propanoic acid, 2-hydroxy-,ethyl ester / propanol-2-ate d'éthyle / solactol	(CAS-No.) 97-64-3	30 - 70	Flam. Liq. 3, H226

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.
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).

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: May cause an allergic skin reaction. May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways.
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

#### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
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#### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media	: Do not use a heavy water stream.
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#### 5.3. Specific hazards arising from the hazardous product

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

#### 5.4. Special protective equipment and precautions for fire-fighters

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.

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### 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.

#### 6.2. Methods and materials 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.

#### 6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.

#### 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.

Storage conditions : Keep container tightly closed.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

No additional information available

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Avoid all unnecessary exposure.

##### Hand protection:

The use of gloves impervious to the specific material handled is advised to prevent skin contact. Suggested protective material: Nitrile, 4.5 mil thickness, tested at 3.5 ml and above with no breakthrough time after 240 minutes. Wear protective gloves.

##### Eye protection:

Chemical goggles or safety glasses

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

Where there is potential for airborne exposure above the exposure limit an approved air purifying respirator equipped with Type P2 - Medium efficiency particle filters may be used.

##### 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  
Appearance : Clear.  
Color : Colorless to slightly yellow.  
Odor : Mild orange aroma.  
Odor threshold : No data available  
pH : No data available

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Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Flammable liquid and vapour
Vapor pressure	: No data available
Vapor pressure at 50 °C	: No data available
Relative density	: No data available
Solubility	: Unknown.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available

### 9.2. Other information

VOC content	: > 95 % by Volume
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Chemical stability	: Flammable liquid and vapour. May form flammable/explosive vapor-air mixture.
Possibility of hazardous reactions	: Not established.
Conditions to avoid	: Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.
Incompatible materials	: Strong acids. Strong bases.
Hazardous decomposition products	: May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

ethyl lactate (97-64-3)	
LD50 oral rat	8200 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
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/effects after inhalation	: May cause an allergic skin reaction. May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Aquatic acute : Not classified  
Aquatic chronic : Not classified

ethyl lactate (97-64-3)	
LC50 fish 1	100 - 1000 mg/l (96 h, Pisces)
Log Pow	-0.18 (Calculated)

#### 12.2. Persistence and degradability

23264 Extra Flush	
Persistence and degradability	Readily biodegradable. May cause long-term adverse effects in the environment.
ethyl lactate (97-64-3)	
Persistence and degradability	Readily biodegradable in water. Not established.
ThOD	1.35 g O <sub>2</sub> /g substance

#### 12.3. Bioaccumulative potential

23264 Extra Flush	
Bioaccumulative potential	Not established.
ethyl lactate (97-64-3)	
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.
Log Pow	-0.18 (Calculated)

#### 12.4. Mobility in soil

23264 Extra Flush	
Ecology - soil	Because of its high volatility, the product is unlikely to cause ground or water pollution.
ethyl lactate (97-64-3)	
Surface tension	0.028 N/m (25 °C)
Log Pow	-0.18 (Calculated)

#### 12.5. Other adverse effects

Ozone : Not classified  
Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Handle empty containers with care because residual vapors are flammable.  
Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

### SECTION 14: Transport information

#### 14.1. Basic shipping description

In accordance with TDG

#### Transportation of Dangerous Goods

Not regulated for transport

#### 14.2. Transport information/DOT

##### Department of Transport

UN-No.(DOT) : 2319  
Packing group (DOT) : III - Minor Danger  
Proper Shipping Name (DOT) : TERPENE HYDROCARBONS, N.O.S  
Contains Statement Field Selection (DOT) :  
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Dangerous for the environment : No  
DOT Packaging Exceptions (49 CFR 173.xxx) : exception §173.150(f) applies.  
Other information : The listed transportation classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptions.

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### 14.3. Air and sea transport

#### IMDG

UN-No. (IMDG) : 2319  
Transport document description (IMDG) : UN 2319 , 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS  
Class (IMDG) : 3 - Flammable liquids  
Packing group (IMDG) : III - substances presenting low danger

#### IATA

UN-No. (IATA) : 2319  
Proper Shipping Name (IATA) : TERPENE HYDROCARBONS, N.O.S.  
Transport document description (IATA) : UN 2319 TERPENE HYDROCARBONS, N.O.S., 3, III, ENVIRONMENTALLY HAZARDOUS  
Class (IATA) : 3 - Flammable Liquids  
Packing group (IATA) : III - Minor Danger

## SECTION 15: Regulatory information

### 15.1. National regulations

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Listed on the Canadian DSL (Domestic Substances List)

### 15.2. International regulations

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Listed on the United States TSCA (Toxic Substances Control Act) inventory

## SECTION 16: Other information

Date of issue : 03/27/2018  
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Other information : None.

Full text of H-phrases:

H226	Flammable liquid and vapour
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SDS Canada (GHS)

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