

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/01/2015

Reviewed on 05/01/2015

* 1 Identification

- **Product identifier**
- **Trade name: Champion Seal**
- **Relevant identified uses of the substance or mixture and uses advised against**
Sealant for struts used in large, stationary structures.
- **Product description** Proprietary resin aerosol sealant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Champion Fiberglass, Inc.
6400 Spring Stuebner Rd.
Spring, TX 77389
Phone: 281.655.8900
Fax: 281.257.2523
www.championfiberglass.com
- **Emergency telephone number:** 281.655.8900

* 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.



GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

Acetone
Ethylbenzene
Methyl ethyl ketone
Isopropyl alcohol

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Trade name: Champion Seal**Hazard statements**

Extremely flammable aerosol. Pressurized container: May burst if heated.
 Causes serious eye irritation.
 Suspected of causing cancer.
 May cause drowsiness or dizziness.

Precautionary statements

Pressurized container: Do not pierce or burn, even after use.
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Do not spray on an open flame or other ignition source.
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves.
 Wear eye protection / face protection.
 Wash thoroughly after handling.
 Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing.
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 Call a poison center/doctor if you feel unwell.
 IF exposed or concerned: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 Store locked up.
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 Store in a well-ventilated place. Keep container tightly closed.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

18 percent of the mixture consists of ingredient(s) of unknown toxicity.

Classification system:**NFPA ratings (scale 0 - 4)****HMS-ratings (scale 0 - 4)****Hazard(s) not otherwise classified (HNOC):** None known*** 3 Composition/information on ingredients**

Proprietary Resin	2-12%
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Chemical characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous Components:

CAS: 67-64-1	Acetone	25-50%
RTECS: AL 3150000	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	

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CAS: 78-93-3 RTECS: EL 6475000	Methyl ethyl ketone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	15-35%
CAS: 74-98-6 RTECS: TX 2275000	Propane ⚠ Flam. Gas 1, H220; Press. Gas, H280	15-35%
CAS: 110-19-0	Isobutyl Acetate ⚠ Flam. Liq. 2, H225	5-10%
CAS: 106-97-8 RTECS: EJ 4200000	Butane ⚠ Flam. Gas 1, H220; Press. Gas, H280	5-10%
CAS: 67-63-0 RTECS: NT 8050000	Isopropyl alcohol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	2-12%
CAS: 1330-20-7 RTECS: ZE 2100000	Xylene, mixture of isomers ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	2-12%
CAS: 100-41-4 RTECS: DA 0700000	Ethylbenzene ⚠ Flam. Liq. 2, H225; ⚠ Carc. 2, H351; ⚠ Acute Tox. 4, H332	≤ 2.5%
CAS: 763-69-9 RTECS: UF 3325000	Ethyl 3-ethoxypropionate ⚠ Flam. Liq. 3, H226	2-12%

Additional information:

Products are hard and inert to most things. Cutting, grinding, sanding, or other machine operations, may generate nuisance dust, which can cause skin, eye, and respiratory tract irritations.

*** 4 First-aid measures****Description of first aid measures****After inhalation:**

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

In case of unconsciousness, place patient securely on side position for transportation.

After skin contact:

Wash areas with soap and water.

If skin irritation occurs, consult a doctor.

After eye contact:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

After swallowing:

Rinse mouth.

Do not induce vomiting.

If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs (aspiration). Once the vomiting ceases, place the person in the recovery position with the legs slightly raised.

Drink copious amounts of water and provide fresh air. Immediately call a doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

*** 5 Fire-fighting measures****Extinguishing media**

Suitable extinguishing agents: CO₂, sand, dry chemical, water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

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- **Special hazards arising from the substance or mixture**

If product is incinerated it may release toxic fumes including: Oxides of Carbon and unburnt hydrocarbon particulate.

- **Advice for firefighters**

- **Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep people at a distance and stay upwind.

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

* 7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Avoid contact with skin, eyes and clothing

Keep away from sources of ignition.

Use personal protection equipment as outlined in section 8.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

- **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

- **Conditions for safe storage, including any incompatibilities**

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

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:**

Keep receptacle tightly sealed.

Do not gas tight seal receptacle.

Store in cool, dry conditions in well sealed receptacles.

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Protect from heat and direct sunlight.

- **Specific end use(s)** No further relevant information available.

* **8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see section 7.

- **Control parameters**

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

- **Components with occupational exposure limits:**

67-64-1 Acetone

PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: (1782) NIC-1187 mg/m ³ , (750) NIC-500 ppm Long-term value: (1188) NIC-594 mg/m ³ , (500) NIC-250 ppm BEI

78-93-3 Methyl ethyl ketone

PEL	Long-term value: 590 mg/m ³ , 200 ppm
REL	Short-term value: 885 mg/m ³ , 300 ppm Long-term value: 590 mg/m ³ , 200 ppm
TLV	Short-term value: 885 mg/m ³ , 300 ppm Long-term value: 590 mg/m ³ , 200 ppm BEI

74-98-6 Propane

PEL	Long-term value: 1800 mg/m ³ , 1000 ppm
REL	Long-term value: 1800 mg/m ³ , 1000 ppm
TLV	refer to Appendix F

110-19-0 Isobutyl Acetate

PEL	Long-term value: 700 mg/m ³ , 150 ppm
REL	Long-term value: 700 mg/m ³ , 150 ppm
TLV	Long-term value: 713 mg/m ³ , 150 ppm

106-97-8 Butane

REL	Long-term value: 1900 mg/m ³ , 800 ppm
TLV	Short-term value: 2370 mg/m ³ , 1000 ppm

67-63-0 Isopropyl alcohol

PEL	Long-term value: 980 mg/m ³ , 400 ppm
REL	Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm
TLV	Short-term value: 984 mg/m ³ , 400 ppm Long-term value: 492 mg/m ³ , 200 ppm BEI

1330-20-7 Xylene, mixture of isomers

PEL	Long-term value: 435 mg/m ³ , 100 ppm
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REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI
100-41-4 Ethylbenzene	
PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 545 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Long-term value: 87 mg/m ³ , 20 ppm BEI
Ingredients with biological limit values:	
67-64-1 Acetone	
BEI	50 mg/L urine end of shift Acetone (nonspecific)
78-93-3 Methyl ethyl ketone	
BEI	2 mg/L urine end of shift MEK
67-63-0 Isopropyl alcohol	
BEI	40 mg/L urine end of shift at end of workweek Acetone (background, nonspecific)
1330-20-7 Xylene, mixture of isomers	
BEI	1.5 g/g creatinine urine end of shift Methylhippuric acids
100-41-4 Ethylbenzene	
BEI	0.7 g/g creatinine urine end of shift at end of workweek Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - end-exhaled air not critical Ethyl benzene (semi-quantitative)

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

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Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Breathing equipment:**



A NIOSH/MSHA approved air-purifying respirator with organic vapor cartridges or canister may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation. Protection provided by air-purifying respirators is limited. Refer to OSHA 29 CFR 1910.134, ANSI Z88-2-1992. NIOSH Respirator Decision Logic and the manufacturer for additional guidance on respiratory protection selection. Use a NIOSH/MSHA approved positive pressure supplied air respirator if there is a potential for uncontrolled release, exposure levels are not known, in oxygen deficient atmospheres or any other circumstance where an air purifying respirator may not provide adequate protection.

Respiratory protection is not required unless handling of the material produces nuisance airborne concentrations.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Not required.

* 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Aerosol

Color:

Clear, colorless

· **Odor:**

Solvent-like

· **Odor threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

Melting point/Melting range:

Not determined.

Boiling point/Boiling range:

-42 °C (-44 °F)

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- **Flash point:** -35 °C (-31 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:**
- Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- **Explosion limits:**
- Lower:** 1.0 Vol %
- Upper:** 16.0 Vol %
- **Vapor pressure @ 20 °C (68 °F):** 8300 hPa (6226 mm Hg)
- **Density @ 20 °C (68 °F):** 0.77 g/cm³ (6.426 lbs/gal)
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not applicable.
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
- Dynamic:** Not determined.
- Kinematic:** Not determined.
- **Solvent content:**
- Organic solvents:** 97.0 %
- VOC content:** 47.0 %
- **Other information** No further relevant information available.

*** 10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Heat, flame and ignition sources.
- **Incompatible materials:** Strong acids, strong bases and strong oxidizing agents.
- **Hazardous decomposition products:** Oxides of Carbon.

*** 11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

67-64-1 Acetone

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)
Inhalative	LC50/4 h	5549 mg/l (Trout) (96 hr)

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Trade name: Champion Seal

78-93-3 Methyl ethyl ketone		
Oral	LD50	3300 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rabbit)
Inhalative	LC50/96 hours	3130-3320 mg/l (Pimephales)
110-19-0 Isobutyl Acetate		
Oral	LD50	13400 mg/kg (rat)
106-97-8 Butane		
Inhalative	LC50/4 h	658 mg/l (rat)
67-63-0 Isopropyl alcohol		
Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)
	LC50/96 hours	9640 mg/l (Pimephales)
1330-20-7 Xylene, mixture of isomers		
Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	1700 mg/kg (rabbit)
Inhalative	LC50/4 h	5000 mg/l (rat)
100-41-4 Ethylbenzene		
Oral	LD50	3500 mg/kg (rat)
Dermal	LD50	15433 mg/kg (rabbit)

- **Primary irritant effect:**

- **on the skin:** No irritating effect.

- **on the eye:**

- Irritating effect.

- Causes serious eye irritation.

- **Additional toxicological information:**

- The product shows the following dangers according to internally approved calculation methods for preparations:

- Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

- Group 1 - Carcinogenic to humans

- Group 2A - Probably carcinogenic to humans

- Group 2B - Possibly carcinogenic to humans

- Group 3 - Not classifiable as to its carcinogenicity to humans

- Group 4 - Probably not carcinogenic to humans

67-63-0	Isopropyl alcohol	3
1330-20-7	Xylene, mixture of isomers	3
100-41-4	Ethylbenzene	2B

- **NTP (National Toxicology Program)**

- None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

- None of the ingredients are listed.

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Trade name: Champion Seal*** 12 Ecological information**· **Toxicity**· **Aquatic toxicity:****67-64-1 Acetone**

EC50 6100 mg/l (Pimephales) (48 hr)

78-93-3 Methyl ethyl ketone

EC50 7060 mg/l (daphnia)

67-63-0 Isopropyl alcoholEC50 6851 mg/l (Green algae)
5102 mg/l (Water flea)**1330-20-7 Xylene, mixture of isomers**EC50 72 mg/l (Green algae)
75.49 mg/l (daphnia)**100-41-4 Ethylbenzene**EC50 4.9 mg/l (Green algae)
1.8-2.4 mg/l (Water flea)

- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

*** 13 Disposal considerations**· **Waste treatment methods**· **Recommendation:**

Observe all federal, state and local environmental regulations when disposing of this material.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**· **Recommendation:**

Dispose of as unused product.
Disposal must be made according to official regulations.

*** 14 Transport information**· **UN-Number**· **DOT**· **ADR, IMDG, IATA**· **UN proper shipping name**· **ADR**· **IMDG**· **IATA**

CONSUMER COMMODITY ORM-D [Paint]
UN1950

UN1950 Aerosols
AEROSOLS
AEROSOLS, flammable

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Trade name: Champion Seal· **Transport hazard class(es)**· **ADR**

- **Class** 2 5F Gases
- **Label** 2.1

· **IMDG, IATA**

- **Class** 2.1
- **Label** 2.1
- **Packing group**
- **ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Warning: Gases
- **Danger code (Kemler):** -
- **EMS Number:** F-D,S-U
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:**
- **DOT**
- **Remarks:** CONSUMER COMMODITY ORM-D [Paint]

· **ADR**

- **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity

· **IMDG**

- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity
- **UN "Model Regulation":** UN1950, Aerosols, 2.1

* **15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

67-63-0	Isopropyl alcohol
1330-20-7	Xylene, mixture of isomers
100-41-4	Ethylbenzene

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· TSCA (Toxic Substances Control Act):		
67-64-1	Acetone	
78-93-3	Methyl ethyl ketone	
74-98-6	Propane	
110-19-0	Isobutyl Acetate	
106-97-8	Butane	
763-69-9	Ethyl 3-ethoxypropionate	
67-63-0	Isopropyl alcohol	
1330-20-7	Xylene, mixture of isomers	
100-41-4	Ethylbenzene	
· California Proposition 65		
· Chemicals known to cause cancer:		
100-41-4	Ethylbenzene	
· Chemicals known to cause reproductive toxicity for females:		
None of the ingredients are listed.		
· Chemicals known to cause reproductive toxicity for males:		
None of the ingredients are listed.		
· Chemicals known to cause developmental toxicity:		
None of the ingredients are listed.		
· Carcinogenic categories		
· EPA (Environmental Protection Agency)		
67-64-1	Acetone	I
1330-20-7	Xylene, mixture of isomers	I
100-41-4	Ethylbenzene	D
· TLV (Threshold Limit Value established by ACGIH)		
67-64-1	Acetone	A4
67-63-0	Isopropyl alcohol	A4
1330-20-7	Xylene, mixture of isomers	A4
100-41-4	Ethylbenzene	A3
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
None of the ingredients are listed.		

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms

GHS02 GHS07 GHS08

· Signal word Danger**· Hazard-determining components of labeling:**Acetone
Ethylbenzene

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Trade name: Champion Seal

Methyl ethyl ketone

Isopropyl alcohol

· Hazard statements

Extremely flammable aerosol. Pressurized container: May burst if heated.

Causes serious eye irritation.

Suspected of causing cancer.

May cause drowsiness or dizziness.

· Precautionary statements

Pressurized container: Do not pierce or burn, even after use.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source.

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area.

Wear protective gloves.

Wear eye protection / face protection.

Wash thoroughly after handling.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a poison center/doctor if you feel unwell.

IF exposed or concerned: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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

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

· National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· State Right to Know

CAS: 67-64-1 RTECS: AL 3150000	Acetone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	25-50%
CAS: 78-93-3 RTECS: EL 6475000	Methyl ethyl ketone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	15-35%
CAS: 74-98-6 RTECS: TX 2275000	Propane ⚠ Flam. Gas 1, H220; Press. Gas, H280	15-35%
CAS: 110-19-0	Isobutyl Acetate ⚠ Flam. Liq. 2, H225	5-10%
CAS: 106-97-8 RTECS: EJ 4200000	Butane ⚠ Flam. Gas 1, H220; Press. Gas, H280	5-10%
CAS: 763-69-9 RTECS: UF 3325000	Ethyl 3-ethoxypropionate ⚠ Flam. Liq. 3, H226	2-12%

All ingredients are listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**16 Other information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of

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Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/01/2015

Reviewed on 05/01/2015

Trade name: Champion Seal

this information and the suitability of the material or product for any particular purpose.

· **Date of preparation / last revision** 05/01/2015 / -

· **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Gas 1: Flammable gases, Hazard Category 1

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Press. Gas: Gases under pressure: Compressed gas

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Carc. 2: Carcinogenicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

· *** Data compared to the previous version altered.**

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