

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/20/2016

Reviewed on 01/20/2016

1 Identification

- **Product identifier:** 0815498, 0815499
- **Trade name:** **BLACKSTONE® HEAVY DUTY SOLVENT BASED ANTI-SPATTER**
- **Item number(s):** 0815498, 0815499
- **MSDS Number:** 425
- **Application of the substance / the mixture** PREVENTS SPATTER BUILD UP
- **Manufacturer/Supplier:**
USA:
Fastenal Company
2001 Theurer Blvd
Winona, MN 55987

Canada:
Fastenal Company
900 Wabanaki Drive
Kitchener, ON, N2C 0B7

www.fastenal.com
- **Information department:** (507) 454-5374
- **Emergency telephone number:**
ChemTrec (800) 424-9300
Canada only: CANUTEC (Call collect) (613) 996-6666

2 Hazard(s) identification

- **Classification of the substance or mixture:**



GHS04 Gas cylinder

Gases Under Pressure - Compressed Gas

H280

Contains gas under pressure; may explode if heated.



GHS08 Health hazard

Carcinogenicity – Category 2

H351

Suspected of causing cancer.

Specific Target Organ Toxicity - Repeated Exposure - Category 2

H373

May cause damage to organs through prolonged or repeated exposure.



GHS07

Skin Irritation - Category 2

H315

Causes skin irritation.

Eye Irritation - Category 2A

H319

Causes serious eye irritation.

Specific Target Organ Toxicity - Single Exposure - Category 3

H335-H336

May cause respiratory irritation. May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

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

- **Signal word:** Warning

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

methylene chloride

· **Hazard statements:**

Contains gas under pressure; may explode if heated.

Causes skin irritation.

Causes serious eye irritation.

Suspected of causing cancer.

May cause respiratory irritation. May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

· **Precautionary statements:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not pierce or burn, even after use.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

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.

Specific treatment (see on this label).

IF INHALED: Remove person to fresh air and keep 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.

Get medical advice/attention if you feel unwell.

IF ON SKIN: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

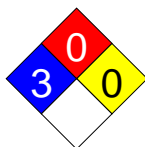
Store locked up.

Protect from sunlight. Store in a well-ventilated place.

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

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

· **NFPA ratings (scale 0 - 4):**



Health = 3

Fire = 0

Reactivity = 0

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

75-09-2	methylene chloride	60-100% w/w
124-38-9	carbon dioxide	1-5% w/w

· **Additional information:** Exact concentrations are being withheld as trade secrets.

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4 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.
- **After skin contact:**
Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
- **After eye contact:**
Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice/attention.
- **After swallowing:** Do not induce vomiting, Immediately call a poison center/ 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

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **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:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s):** No further relevant information available.

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8 Exposure controls/personal protection

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

- **Components with limit values that require monitoring at the workplace:**

75-09-2 methylene chloride

EL (Canada)	Long-term value: 25 ppm IARC 2B
EV (Canada)	Long-term value: 175 mg/m ³ , 50 ppm
PEL (USA)	Short-term value: 125 ppm Long-term value: 25 ppm see 29 CFR 1910.1052
REL (USA)	See Pocket Guide App. A
TLV (USA)	Long-term value: 174 mg/m ³ , 50 ppm BEI

124-38-9 carbon dioxide

EL (Canada)	Short-term value: 15000 ppm Long-term value: 5000 ppm
EV (Canada)	Short-term value: 54.000 mg/m ³ , 30.000 ppm Long-term value: 9.000 mg/m ³ , 5.000 ppm
PEL (USA)	Long-term value: 9000 mg/m ³ , 5000 ppm
REL (USA)	Short-term value: 54.000 mg/m ³ , 30.000 ppm Long-term value: 9000 mg/m ³ , 5000 ppm
TLV (USA)	Short-term value: 54.000 mg/m ³ , 30.000 ppm Long-term value: 9000 mg/m ³ , 5000 ppm

- **Ingredients with biological limit values:**

75-09-2 methylene chloride

BEI (USA)	0.3 mg/L Medium: urine Time: end of shift Parameter: Dichloromethane (semi-quantitative)
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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**



Protective gloves

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

- **Material of gloves:** PVA gloves
- **Eye protection:** Not required.

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9 Physical and chemical properties

· Form:	Liquid Under Pressure	
· Color:	Light yellow	
· Odor:	Strong Ether-like	
· Odor threshold:	Not determined.	
· pH-value:	Not determined.	
· Change in condition		
Melting point/Melting range:	-96.7 °C	
Boiling point/Boiling range:	104 °C	
· Flash point:	Not applicable. Not applicable, as aerosol.	
· Flammability (solid, gaseous):	Product is not flammable.	
· Ignition temperature:	605 °C	
· Decomposition temperature:	Not determined.	
· Auto igniting:	Product is not selfigniting.	
· Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits		
Lower:	13.0 Vol %	
Upper:	22.0 Vol %	
· Vapor pressure at 20 °C:	453 hPa	
· Density at 20 °C:	1.056 g/cm ³	
· Relative density:	Not determined.	
· Vapour density at 20 °C:	2.93 (AIR=1)	
· Evaporation rate at 20 °C:	27.5 (BA=1)	
· Solubility in / Miscibility with		
Water at 20 °C:	20 g/l	
· Partition coefficient (n-octanol/water):	1.25 log POW	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	90.5 %	
Solids content:	5.5 %	
· Other information	VOC Content:	>900 g/kg
	VOC %:	90%
	HAP Content:	90%
	MIR Value:	0.068 g O ₃ /g

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- Possibility of hazardous reactions:** No dangerous reactions known.

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- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

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

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

75-09-2 methylene chloride

Oral	LD50	1600 mg/kg (rat)
Inhalative	LC50/4 h	88 mg/l (rat)

- **Primary irritant effect**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

- **Carcinogenic categories**

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

75-09-2	methylene chloride	2B
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- **NTP (National Toxicology Program)**

75-09-2	methylene chloride	R
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- **OSHA-Ca (Occupational Safety & Health Administration)**

75-09-2	methylene chloride
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12 Ecological information

- **Aquatic toxicity:** No further relevant information available.
- **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:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **Other adverse effects:** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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- **Uncleaned packagings**
- **Recommendation:**
Place in a sealed container and label as waste. Place in a safe area, and comply with all federal, state, provincial and local regulations for disposal.

14 Transport information

<ul style="list-style-type: none"> · UN-Number · DOT, TDG, IMDG, IATA 	UN1950
<ul style="list-style-type: none"> · UN proper shipping name · DOT, IATA · TDG · IMDG 	Aerosols, non-flammable 1950 Aerosols AEROSOLS
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class · Label · TDG (Transport dangerous goods): 	2.2 2.2 <div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class · Label 	2 5A Gases 2.2
<ul style="list-style-type: none"> · IMDG, IATA 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class · Label 	2.2 2.2
<ul style="list-style-type: none"> · Packing group · DOT, TDG, IMDG, IATA 	Not regulated
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	No
<ul style="list-style-type: none"> · Special precautions for user: · Danger code (Kemler): · EMS Number: 	Warning: Gases - F-D,S-U

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<ul style="list-style-type: none"> · Stowage Code · Segregation Code 	<p>SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.</p> <p>SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.</p>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: 	Not applicable.
<ul style="list-style-type: none"> · Transport/Additional information: · DOT · Quantity limitations · Remarks: 	<p>On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg</p> <p>This product may be shipped according to the Limited Quantity Exceptions provided that all Limited Quantity shipping requirements are met.</p>
<ul style="list-style-type: none"> · TDG · Excepted quantities (EQ) 	<p>This product may be shipped according to the Limited Quantity Exceptions provided that all Limited Quantity shipping requirements are met.</p> <p>Code: E0 Not permitted as Excepted Quantity</p>
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) · Remarks: 	<p>1L</p> <p>Code: E0 Not permitted as Excepted Quantity</p> <p>This product may be shipped according to the Limited Quantity Exceptions provided that all Limited Quantity shipping requirements are met.</p>
<ul style="list-style-type: none"> · IATA · Remarks: 	<p>This product may be shipped according to the Limited Quantity Exceptions provided that all Limited Quantity shipping requirements are met.</p>
<ul style="list-style-type: none"> · UN "Model Regulation": 	UN 1950 AEROSOLS, 2.2

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 is listed.

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

75-09-2 | methylene chloride

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- **TSCA (Toxic Substances Control Act):**

All ingredients are listed or exempted

- **Proposition 65**

- **Chemicals known to cause cancer:**

75-09-2 | methylene chloride

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

Exposure during foreseeable use has been determined to be below the Maximum Allowable Dose Level.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency):**

75-09-2 | methylene chloride

L

- **TLV (Threshold Limit Value established by ACGIH):**

75-09-2 | methylene chloride

A3

- **NIOSH-Ca (National Institute for Occupational Safety and Health):**

75-09-2 | methylene chloride

- **Canadian substance listings**

- **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

- **Canadian Ingredient Disclosure list (limit 0.1%):**

75-09-2 | methylene chloride

- **Canadian Ingredient Disclosure list (limit 1%):**

124-38-9 | carbon dioxide

- **GHS label elements**

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

- **Hazard pictograms**



GHS04 GHS07 GHS08

- **Signal word** Warning

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

methylene chloride

- **Hazard statements**

Contains gas under pressure; may explode if heated.

Causes skin irritation.

Causes serious eye irritation.

Suspected of causing cancer.

May cause respiratory irritation. May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

- **Precautionary statements**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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Do not pierce or burn, even after use.
 Do not breathe dust/fume/gas/mist/vapours/spray.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Wash thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well-ventilated area.
 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.
 Specific treatment (see on this label).
 IF INHALED: Remove person to fresh air and keep 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.
 Get medical advice/attention if you feel unwell.
 IF ON SKIN: Wash with plenty of water.
 Take off contaminated clothing and wash it before reuse.
 Store locked up.
 Protect from sunlight. Store in a well-ventilated place.
 Store in a well-ventilated place. Keep container tightly closed.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

16 Other information

The information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Product use and conditions of use are beyond our control. Warranty of materials is limited to test results of product performance as detailed in certificates of compliance. Interpretation of test results is the responsibility of end-user. No other warranties, expressed or implied, are made.

- **Department issuing MSDS:** Product safety department
- **Contact:** Stephen Nowicki
- **Date of preparation / last revision** 01/20/2016 / 1

- **Abbreviations and acronyms:**

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Gases Under Pressure - Compressed Gas: Gases under pressure: Compressed gas

Skin Irritation - Category 2: Skin corrosion/irritation, Hazard Category 2

Eye Irritation - Category 2A: Serious eye damage/eye irritation, Hazard Category 2A

Carcinogenicity - Category 2: Carcinogenicity, Hazard Category 2

Specific Target Organ Toxicity - Single Exposure - Category 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Specific Target Organ Toxicity - Repeated Exposure - Category 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2