

# BLAST OFF CARB CLEANER

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	BLAST OFF CARB CLEANER BD1509, BD1509-1
Product Code	SP-500851.01

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

Identified Use(s)	Automotive Care Product
Uses Advised Against	None

Company Identification	Spray Products Corporation P.O. Box 737 Norristown, PA 19404
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Telephone	(610) 277-1010
Fax	(610) 277-4390
E-Mail (competent person)	<a href="mailto:johnd@sprayproducts.com">johnd@sprayproducts.com</a>

#### Emergency telephone number

Emergency Phone No.	<b>Transportation Emergency:</b> CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)
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### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Flam. Aerosol 1; Compressed dissolved gas; Repr. 2; STOT RE 2; STOT SE 3; Skin Irrit. 2; Eye Irrit. 2; Asp. Tox. 1
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#### Label elements

Hazard Symbol



**DANGER**

Signal word(s)

Hazard Statement(s)

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated.  
Suspected of damaging the unborn child.  
May cause damage to organs through prolonged or repeated exposure:  
Inhalation - neuropsychological effects, auditory dysfunction and effects on colour vision.  
May cause drowsiness or dizziness.  
May cause respiratory irritation.  
Causes skin irritation. Causes serious eye irritation.  
May be fatal if swallowed and enters airways.

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**Precautionary Statement(s)**

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
 Do not spray on an open flame or other ignition source.  
 Do not pierce or burn, even after use.  
 Do not breathe mist/vapours/spray.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Wash hands and exposed skin after use.  
 Use only outdoors or in a well-ventilated area.  
 Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

**Other hazards**

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

**Additional Information**

None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
Acetone	40 - 50	67-64-1	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Toluene	20 - 30	108-88-3	Flam. Liq. 2; H225 Repr. 2; H361 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Asp. Tox. 1; H304 STOT SE 3; H336 STOT RE 2; H373 Aquatic Acute 2; H401 Aquatic Chronic 3; H412
Petroleum Distillate	10 - 20	Trade Secret	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411
Xylene	5 - 10	1330-20-7	Flam. Liq. 3; H226 Eye Irrit. 2; H320 Skin Irrit. 2; H315 Asp. Tox. 1; H304 STOT SE 3; H335
Methyl ethyl ketone	1 - 5	78-93-3	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Carbon dioxide	5 - 10	124-38-9	Compressed dissolved gas

**Additional Information** - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.:

- Ethylbenzene (CAS No. 100-41-4) ~ ≤ 5%

\* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

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## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation	Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.
Skin Contact	Wash affected skin with soap and water. If symptoms develop, obtain medical attention. Take off contaminated clothing and wash it before reuse. Get medical advice/attention if you feel unwell.
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.
Ingestion	Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Seek medical treatment.

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

Aspiration of droplets may cause pulmonary oedema. May cause drowsiness and dizziness.

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

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

-Suitable Extinguishing Media	Extinguish with carbon dioxide, dry chemical, foam or water spray.
-Unsuitable Extinguishing Media	Do not use water jet.

### Special hazards arising from the substance or mixture

Highly flammable vapor (flash point below 23°C).

### Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Avoid breathing vapors.

### Environmental precautions

Prevent liquid entering sewers, basements and work pits.

### Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

### Reference to other sections

None

### Additional Information

None

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area only.

### Conditions for safe storage, including any incompatibilities

-Storage temperature	Keep in a cool, well ventilated place. Protect from sunlight. Store at temperatures not exceeding 50 °C / 122 °F.
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-Incompatible materials

This product should be stored away from sources of strong heat or oxidizing chemicals.

Specific end use(s)

Automotive Care Product

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Acetone	67-64-1	1000 ppm	500 ppm	-----	750 ppm	^NIC
Toluene	108-88-3	200 ppm	20 ppm	300 ppm*	-----	*10-min. Ceiling
Xylene	1330-20-7	100 ppm	100 ppm	-----	150 ppm	-----
Ethylbenzene	100-41-4	100 ppm	20 ppm	-----	-----	-----
Methyl ethyl ketone	78-93-3	200 ppm	200 ppm	-----	300 ppm	-----
Alkanes (C9-C15)	-----	-----	1200 mg/m <sup>3</sup>	-----	-----	-----
Carbon dioxide	124-38-9	-----	5000 ppm	-----	30,000 ppm	-----

^NIC = Notice of Intended Changes (ACGIH®);

### Recommended monitoring method

NIOSH 1500 (hydrocarbons, B.P. 36 - 126 °C); NIOSH 1501 (Hydrocarbons, Aromatic); NIOSH 2500 (MEK); NIOSH 1550 (Naphthas)

### Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

#### Personal protection equipment

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely (Viton®/Butyl rubber). Check with protective equipment manufacturer's data.

Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

### Environmental Exposure Controls

None known

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance

Liquid

Color.

Colorless

Odor

Acetone-like

Odor Threshold (ppm)

Not available

pH (Value)

Not available

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Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	56 (Acetone)
Flash Point (°C)	-17 (Acetone)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	2.5% - 12.8% v/v (Acetone)
Vapor pressure (Pascal)	2.4 x 10 <sup>4</sup> (Acetone)
Vapor Density (Air=1)	Not available
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	465 (Acetone)
Decomposition Temperature (°C)	Not available
Kinematic Viscosity @ 20 °C	<0.9 mm <sup>2</sup> /s (Xylene)
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
<b>Other information</b>	Not available

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	Avoid contact with heat and ignition sources.
<b>Incompatible materials</b>	Strong oxidizing agents. Reducing agents. Acids. Bases. Chlorinated compounds. Aldehydes. Acetone may form explosive mixtures in contact with chromic anhydride, chromyl alcohol, hexachloromelamine, hydrogen peroxide, permonosulfuric acid, potassium tertbutoxide and thioglycol.
<b>Hazardous decomposition product(s)</b>	Carbon monoxide, Carbon dioxide, Acrid smoke

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

**Information on toxicological effects**

Acetone (CAS No. 67-64-1)

**Acute toxicity**

Oral LD50 = 5800 mg/kg (rat)  
 Dermal LD50 >15800 mg/kg (rabbit)  
 Inhalation LC50 76 mg/L (4 hour(s)) (rat) - Vapours may cause drowsiness and dizziness.

**Irritation / Corrosivity**

Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.

**Sensitisation**

It is not a skin sensitiser.

**Repeated dose toxicity**

Oral NOAEL = 500 mg/kg/day (rat) (90-days)  
 Inhalation NOAEC ≥ 3.515 mg/L (rat), Vapour

**Carcinogenicity**

It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Mutagenicity**

Negative

**Toxicity for reproduction**

Negative

**Other information**

None known.

Xylenes (CAS No.1330-20-7)

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**Acute toxicity** Oral LD50 = 3520 mg/kg (rat)  
 Dermal LD50 >5000 mg/kg (rabbit)  
 Inhalation LC50 = 27.6 mg/L (4 hour(s)) (rat) - Vapours may cause drowsiness and dizziness. May cause respiratory irritation.

**Irritation / Corrosivity** Causes eye irritation. Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

**Sensitisation** It is not a skin sensitiser.

**Repeated dose toxicity** Oral NOAEL = 900 mg/kg/day (rat) (90-days)  
 Inhalation NOAEL ≥ 19,000 ppm (rat)

**Carcinogenicity** It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Mutagenicity** Negative

**Toxicity for reproduction** Negative

**Other information** None known.

## Toluene (CAS No. 108-88-3)

**Acute toxicity** Oral LD50 = 5580 mg/kg (rat)  
 Dermal LD50 >5000 mg/kg (rabbit)  
 Inhalation LC50 (4 hour(s)) 28.1 mg/l (rat) - Vapours may cause drowsiness and dizziness.

**Irritation / Corrosivity** Causes serious eye irritation. Causes skin irritation.

**Sensitisation** It is not a skin sensitiser.

**Repeated dose toxicity** Inhalation NOAEC = 1131 mg/m<sup>3</sup> (rat), 2 Year(s) - May cause damage to organs through prolonged or repeated exposure: neuropsychological effects, auditory dysfunction and effects on colour vision.

**Carcinogenicity** It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Mutagenicity** There is no evidence of mutagenic potential.

**Reproductive toxicity** Suspected of damaging the unborn child. NOAEC: 2.8 mg/liter (rat)

## Petroleum Distillate (CAS No. Trade Secret) - By analogy with similar materials:

**Acute toxicity** (calculated / estimated) Oral: LD50 >5000 mg/kg-bw  
 Dermal: LD50 >2000 mg/kg-bw  
 Inhalation: LC0 ≥5.28 mg/l (Vapor), 4-hr. rat - May cause drowsiness or dizziness.

**Irritation/Corrosivity** Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

**Sensitization** It is not a skin sensitizer.

**Repeated dose toxicity** Oral: NOEAL 750 mg/kg  
 Dermal: NOEAL 0.5 ml/kg bw  
 Inhalation: NOAEL ≥1000 mg/m3

**Carcinogenicity** It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Mutagenicity** Not to be expected

**Reproductive toxicity** Not to be expected

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Methyl Ethyl Ketone (CAS No. 78-93-3)

<b>Acute toxicity</b>	Oral LD50 = 3460 mg/kg (rat) Dermal LD50 >10 ml/kg (rabbit) Inhalation LC50 >5041 ppm (6 hour(s)) (rat) - Vapours may cause drowsiness and dizziness.
<b>Irritation/Corrosivity</b>	Causes serious eye irritation. Unlikely to cause skin irritation.
<b>Sensitization</b>	It is not a skin sensitizer.
<b>Repeated dose toxicity</b>	Inhalation NOAEL $\geq$ 5041 ppm (rat)
<b>Carcinogenicity</b>	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

<b>Mutagenicity</b>	Negative.
<b>Reproductive toxicity</b>	Negative.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Toluene (CAS No. 108-88-3)

Acute toxicity	LC50 (96 hour): 5.5 mg/l ( <i>Oncorhynchus kisutch</i> ) EC50 (48 hour): 3.78 mg/l ( <i>Ceriodaphnia dubia</i> ) EC50 (3 hour): 134 mg/l (Algae)
Long Term Toxicity	NOEC (40 days): 1.39 mg/l ( <i>Oncorhynchus kisutch</i> ) NOEC (7 days): 0.74 mg/l ( <i>Ceriodaphnia dubia</i> )

Acetone (CAS No. 67-64-1):

Short term	LC50 (96 hour): 5,540 mg/l (Rainbow Trout ( <i>Oncorhynchus mykiss</i> )) LC50 (96 hour): 8,300 mg/l (Bluegill Sunfish ( <i>Lepomis macrochirus</i> )) LC50 (48 hour(s)): 12,600 – 12,700 mg/l ( <i>Daphnia magna</i> ) EC50 (14 d): 3,020 mg/l (Algae ( <i>Chlorella pyrenoidosa</i> )) EC50 (15 min): 14,500 mg/l (Bacteria ( <i>Photobacterium phosphoreum</i> ))
Long Term	Not available.

<b>Persistence and degradability</b>	Readily biodegradable.
<b>Bioaccumulative potential</b>	The product has low potential for bioaccumulation.
<b>Mobility in soil</b>	The product has high mobility in soil.
<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>Other adverse effects</b>	None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
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## SECTION 14: TRANSPORT INFORMATION

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
<b>UN number</b>	1950	1950	1950
<b>Proper Shipping Name</b>	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
<b>Transport hazard class(es)</b>	2.1	2.1	2.1
<b>Packing group</b>	Not applicable	Not applicable	Not applicable
<b>Environmental hazards</b>	None assigned	None assigned	None assigned

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Special precautions for user

None assigned

None assigned

None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

## SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Acetone	67-64-1	40 - 50	5000
Xylenes	1330-20-7	5 - 10	100
Toluene	108-88-3	20 - 30	1000
Ethylbenzene	100-41-4	1 - 5	1000
Methyl ethyl ketone	78-93-3	60 - 70	5,000

SARA 311/312 - Hazard Categories:

Fire  Sudden Release  Reactivity  Immediate (acute)  Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Xylenes	1330-20-7	5 - 10
Ethylbenzene	100-41-4	<19
Toluene	108-88-3	0.14

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
Acetaldehyde	75-07-0	Cancer
Benzene	71-43-2	Cancer; Developmental
Cumene	98-82-8	Cancer
Ethylbenzene	100-41-4	Cancer
Toluene	108-88-3	Developmental

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: March 19, 2015

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)

- H225: Highly flammable liquid and vapor.
- H226: Flammable liquid and vapour.
- H280: Contains gas under pressure; may explode if heated.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H320: Causes eye irritation.
- H335: May cause respiratory irritation.
- H336: May cause drowsiness or dizziness.
- H361: Suspected of damaging fertility or the unborn child.
- H373: May cause damage to organs through prolonged or repeated exposure.
- H401: Toxic to aquatic life.

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- H411: Toxic to aquatic life with long lasting effects.
- H412: Harmful to aquatic life with long lasting effects.

**Training advice:** None.

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