

# B-00002 BTS BRAKE PARTS & METAL 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	BTS BRAKE PARTS & METAL CLEANER
Stock No.:	B-00002 Code: 3790

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

Identified Use(s)	Parts Cleaner
Uses Advised Against	None
Company Identification	Apex International Group, Inc. P.O. Box 14607 North Palm Beach, FL 33408
Telephone	(561) 656-0850
Fax	(561) 656-0870
E-Mail (competent person)	apex@apexig.com

#### Emergency telephone number

Emergency Phone No. : CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)

Compressed dissolved gas; Eye Irrit. 2; Skin Irrit. 2; Skin Sens. 1B; Carc. 1B; STOT SE 3

#### Label elements

Hazard Symbol



**DANGER**

Signal word(s)

Hazard Statement(s)

Contains gas under pressure; may explode if heated.  
Causes serious eye irritation.  
Causes skin irritation.  
May cause an allergic skin reaction.  
May cause cancer.  
May cause drowsiness or dizziness.

Precautionary Statement(s)

Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.  
Wash hands and exposed skin after use.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Contaminated work clothing should not be allowed out of the workplace.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use only outdoors or in a well-ventilated area.  
Keep out of reach of children.

**B-00002 BTS BRAKE PARTS & METAL CLEANER****Other hazards**

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

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredient(s)	% wt.	CAS No.	Hazard classification
Tetracholorethylene	45 - 55	127-18-4	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Carc. 2; H351 STOT SE 3; H336 Aquatic Acute 2; H401 Aquatic Chronic 2; H411
Methylene chloride <sup>^</sup>	25 - 35	75-09-2	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Carc. 2; H351 STOT SE 3; H336 Aquatic Acute 3; H412
Carbon Dioxide	< 5	124-38-9	Compressed dissolved gas; H280

**Additional Information** – <sup>^</sup>Employers must implement an exposure monitoring program in accordance with 29 CFR 1910.1052 or 29 CFR 1926 1152.

**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 irritation (redness, rash, blistering) develops, get medical attention.
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. Get immediate medical attention.

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

May cause an allergic skin reaction. Contains: 1,1,2 Trichloroethylene

**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
- Unsuitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray. Do not use water jet.

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

None

**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.

# B-00002 BTS BRAKE PARTS & METAL CLEANER

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Avoid contact with skin and eyes. Avoid breathing vapours.
<b>Environmental precautions</b>	Prevent liquid entering sewers, basements and work pits. Avoid release to the environment.
<b>Methods and material for containment and cleaning up</b>	Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.
<b>Reference to other sections</b>	None
<b>Additional Information</b>	None

## SECTION 7: HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Avoid contact with skin and eyes. Avoid breathing spray. Use product in a well-ventilated area only. Employers must implement an exposure monitoring program in accordance with 29 CFR 1910.1052 or 29 CFR 1926 1152.
<b>Conditions for safe storage, including any incompatibilities</b>	
-Storage temperature	Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F. Keep container tightly closed. Store locked up.
-Incompatible materials	This product should be stored away from sources of strong heat or oxidizing chemicals. Eliminate sources of ignition. Strong Bases. Metals: Zinc, Aluminum, Potassium, Sodium. Metal Powders: Zinc Powder, Aluminum Powder, Magnesium Powder.
<b>Specific end use(s)</b>	Parts Cleaner

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Tetrachlorethylene	127-18-4	100 ppm	25 ppm	200 ppm*	100 ppm	*Ceiling
Methylene chloride^	75-09-2	25 ppm	50 ppm	125 ppm	-----	
Carbon Dioxide	124-38-9	5,000 ppm	5,000 ppm	-----	30,000 ppm	#

\*300 ppm: Acceptable maximum peak above the acceptable ceiling concentration for an 8-hour shift. 5 min in any 3 hours

^Refer to OSHA 29 CFR 1910.1052 or 29 CFR 1926 1152

<b>Recommended monitoring method</b>	NIOSH 3704 (Perchloroethylene); NIOSH 1003 (Hydrocarbons, halogenated); NIOSH 1005 (Methylene Chloride)
<b>Appropriate engineering controls</b>	Ensure adequate ventilation.
<b>Personal protection equipment</b>	
Eye/face protection	Wear protective eyewear (goggles, face shield, or safety glasses).



## B-00002 BTS BRAKE PARTS & METAL CLEANER

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely. 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

Avoid release to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Aerosol spray
Color	Colourless
Odor	Chloroform-like
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	-22 °C (-7.6 °F) (Tetrachloroethylene)
Boiling point/boiling range (°C):	121.4°C (250.52 °F) (Tetrachloroethylene)
Flash Point (°C)	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Note 1*
Explosive Limit Ranges	Not available
Vapor pressure (Pascal)	1733 @ 25 °C (Tetrachloroethylene)
Vapor Density (Air=1)	5.76 (Tetrachloroethylene)
Density (g/ml)	1.61 @ 25 °C (Tetrachloroethylene)
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	3.4 (Tetrachloroethylene)
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	0.52 mm <sup>2</sup> /s @25 °C (Tetrachloroethylene)
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

### Other information

\*Note 1 - Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature.

## 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>	Incompatible materials
<b>Incompatible materials</b>	This product should be stored away from sources of strong heat or oxidizing chemicals. Strong Bases. Metals: Zinc, Aluminum, Potassium, Sodium. Metal Powders: Zinc Powder, Aluminum Powder, Magnesium Powder.
<b>Hazardous decomposition product(s)</b>	Chlorine, Hydrogen chloride, Phosgene, Carbon monoxide, Carbon dioxide, Acrid smoke

**B-00002 BTS BRAKE PARTS & METAL CLEANER****SECTION 11: TOXICOLOGICAL INFORMATION****Exposure routes:** Inhalation, Skin Contact, Eye Contact**Information on toxicological effects**Tetrachloroethylene (CAS No. 127-18-4):**Acute toxicity** (calculated / estimated)

Oral: LD50 3005-3835 mg/kg-bw  
 Dermal: LD50 >10000 mg/kg-bw  
 Inhalation: LC0 ≥20 mg/l (Vapor), 4-hr. rat - May cause drowsiness or dizziness.

**Irritation/Corrosivity**

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

**Sensitization**

May cause an allergic skin reaction.

**Repeated dose toxicity**

Oral: LOEAL 390-540 mg/kg  
 Inhalation: LOAEC ≥200 ppm

**Carcinogenicity**

Suspected of causing cancer.

NTP	IARC	ACGIH	OSHA	NIOSH
Reasonably anticipated	2A	A3	No.	No.

**Mutagenicity**

Not to be expected

**Reproductive toxicity**

Not to be expected

Methylene chloride (CAS No. 75-09-2):**Acute toxicity** (calculated / estimated)

Oral: LD50 >2000 mg/kg-bw (rat)  
 Dermal: LD20 >2000 mg/kg-bw (rat)  
 Inhalation: LC50 49000 mg/m3 (Vapor), 4-hr. rat - May cause drowsiness or dizziness.

**Irritation/Corrosivity**

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

**Sensitization**

It is not a skin sensitiser.

**Repeated dose toxicity**

Oral: NOEAL 6 mg/kg  
 Inhalation: NOAEC 200 ppm (0.7 mg/L)

**Carcinogenicity**

Suspected of causing cancer.

NTP	IARC	ACGIH	OSHA	NIOSH
Reasonably anticipated	2A	A3	Yes	Yes

**Mutagenicity**

Not to be expected

**Reproductive toxicity**

Not to be expected

**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity**Tetrachloroethylene (CAS No. 127-18-4):

Short term

LC50 (96 hour): 5 mg/L (*Limanda limanda*)  
 EC50 (48 hour): 8.5 mg/L (*Daphnia magna*)  
 EC50 (72 hour): 3.64 mg/L (*Chlamydomonas reinhardtii*)

Long Term

NOEC (28 days): 2.34 mg/L (*Jordanella floridae*)  
 NOEC (28 days): 0.51 mg/L (*Daphnia magna*)  
 LOEL (72 hour): 3.64 mg/L (*Chlamydomonas reinhardtii*)

Methylene chloride (CAS No. 75-09-2):

Short term

LC50 (96 hour): 193 mg/L (fish)  
 EC50 (48 hour): 27 mg/L (crustacea)

**B-00002 BTS BRAKE PARTS & METAL CLEANER**

Long Term

NOEC (28 days): 142 mg/L (fish)

LOEC (21 days): 6.2 mg/L (crustacea)

**SECTION 13: DISPOSAL CONSIDERATIONS****Waste treatment methods**

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

**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	Aerosols	Aerosols
<b>Transport hazard class(es)</b>	2.2	2.2	2.2
<b>Packing group</b>	Not applicable	Not applicable	Not applicable
<b>Environmental hazards</b>	None assigned	None assigned	None assigned
<b>Special precautions for user</b>	None assigned	None assigned	None assigned
		: Not applicable	

**SECTION 15: REGULATORY INFORMATION**

Safety, health and environmental regulations/leg

:

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)
Tetrachlorethylene	127-18-4	51 -52	100
Methylene chloride	75-09-2	29 - 30	1000

**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.
Tetrachlorethylene	127-18-4	51 - 52
Methylene chloride	75-09-2	29 - 30

**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
Tetrachlorethylene	127-18-4	Cancer
Methylene chloride	75-09-2	Cancer

**SECTION 16: OTHER INFORMATION**

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

Date of preparation: December 17,2015

## B-00002 BTS BRAKE PARTS & METAL CLEANER

### Hazard Statement(s) and Risk Phrases Listed in:

#### Hazard Statement(s)

- H280: Contains gas under pressure; may explode if heated.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H351: Suspected of causing cancer.
- H401: Toxic to aquatic life.
- 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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