

BTS B-00005 Engine Degreaser

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue: 04/17/2015

Revision date: 04/17/2015

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : BTS Engine Degreaser Stock #: B-00005
Product code : Not available

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Cleaner

1.3. Details of the supplier of the safety data sheet

Apex International Group, Inc.
P.O. Box 14607
North Palm Beach, FL 33408 USA
T 561-656-0850

1.4. Emergency telephone number

Emergency number : CHEMTREC: (800) 424-9300 International: 1 (703) 527-3887 (collect calls accepted)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

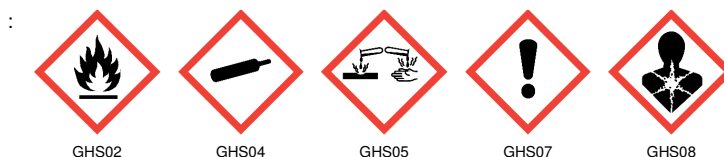
GHS-US classification

Flammable Aerosol 1
Pressurized liquefied gas
Skin Irritation 2
Serious eye damage 1
Carcinogenicity 2
Reproductive toxicity 2
Specific target organ toxicity (single exposure) 3
Aspiration hazard 1

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye damage. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

Precautionary statements (GHS-US)

: 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. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. If in eyes: 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. If swallowed: immediately call a poison center or doctor/physician. Do NOT induce vomiting. If exposed or concerned: Get medical advice/attention. Protect from sunlight. Do not expose to temperatures exceeding 50 °C (122 °F). Store in a well-ventilated place. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.3. Other hazards

No additional information available

APEX B-00005 Engine Degreaser

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS US classification
Petroleum distillates, hydrotreated light	(CAS No) 64742 47 8	- 60	Flam. Liq. 3 Asp. Tox. 1
Kerosine, petroleum, hydrodesulfurized	(CAS No) 64742-81-0	15 - 40	Asp. Tox. 1
Petroleum gases, liquefied	(CAS No) 74-98-6	10-20	Flam. Gas 1 Liquefied gas
Alcohols, C9-11, ethoxylated	(CAS No) 68439 46 3	- 5	Acute Tox. 4 (Oral)
Naphthalene	(CAS No) 91-20-3	0.1 - 1	Acute Tox. 4 (Oral) Carc. 2
Toluene	(CAS No) 108-88-3	< 0.1	Flam. Liq. 2 Acute Tox. 4 (oral) Acute Tox. 4 (inhalation) Skin Irrit. 2 Repr. 2 STOT RE 2 STOT SE 3 Asp. Tox. 1
Ethylbenzene	(CAS No) 100 41 4	< 0.1	Acute Tox. 4 (inhalation) Flam. Liq. 2 Carc. 2
Benzene	(CAS No) 71-43-2	< 0.1	Flam. Liq. 2 Acute Tox. 4 (oral) Skin Irrit. 2 Eye Irrit. 2 Carc. 1A Muta. 1B STOT RE 1 Asp. Tox. 1
Cumene	(CAS No) 98-82-8	< 0.1	Asp. Tox. 1 Flam. Liq. 3 STOT SE 3 Carc. 2
Ethylene oxide	(CAS No) 75 21 8	< 0.1	Flam. Gas 1 Press. Gas, Acute Tox. 3 Skin Irrit. 2 Eye Irrit. 2A Muta. 1B Carc. 1B STOT SE 3
Acetaldehyde	(CAS No) 75-07-0	< 0.1	Carc. 2 Flam. Liq. 1 Eye Irrit. 2 STOT SE 3

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
- First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
- First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Vapours may cause drowsiness and dizziness.
- Symptoms/injuries after skin contact : Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
- Symptoms/injuries after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
- Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways. May cause stomach distress, nausea or vomiting. This product may be aspirated into the lungs and cause chemical pneumonitis.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

APEX B-00005 Engine Degreaser

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Treat for surrounding material.
Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. Extremely flammable aerosol.
Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

5.3. Advice for firefighters

- Firefighting instructions : Cool closed containers exposed to fire with water.
Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.1.2. For emergency responders

No additional information available

6.2. Methods and material for containment and cleaning up

- For containment : Eliminate sources of ignition. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up : Scoop up material and place in a disposal container. Vapours may be heavier than air and may travel along the ground to a distant ignition source and flash back. Provide ventilation.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Do not swallow. When using do not eat, drink or smoke. Do not spray on an open flame or other ignition source. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Avoid breathing gas, fumes, vapour or spray. Keep away from sources of ignition - No smoking. Pressurized container: Do not pierce or burn, even after use.
Hygiene measures : Wash hands before eating, drinking, or smoking. Launder contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
Storage conditions : Keep locked up and out of reach of children. Do not expose to temperatures exceeding 50°C/ 122°F. Store away from direct sunlight or other heat sources.
Storage area : Store in a well-ventilated place.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

- -0)		
USA ACGIH	ACGIH TWA (mg/m³)	200 mg/m³ (application restricted to conditions in which there are negligible aerosol exposures)
-20 3)		
USA ACGIH	ACGIH TWA (ppm)	10 ppm
USA ACGIH	ACGIH STEL (ppm)	15 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	50 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm

APEX B-00005 Engine Degreaser

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Petroleum Distillates hydrotreated light (64742 -8)		
USA ACGIH	ACGIH TWA (mg/m³)	200 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	100 ppm
Toluene (108- -3)		
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
USA OSHA	OSHA – STEL (ppm)	150 ppm
- -4)		
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	100 ppm
USA ACGIH	ACGIH – STEL (ppm)	125 ppm
Benzene (71-43-2)		
USA ACGIH	ACGIH TWA (ppm)	0.5 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm
Cumene (98 -8)		
USA ACGIH	ACGIH TWA (ppm)	50 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	50 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	245 mg/m³
- -8)		
USA ACGIH	ACGIH TWA (ppm)	1 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	1 ppm
- -0)		
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
USA OSHA	OSHA – STEL (ppm)	150 ppm

8.2. Exposure controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear chemically resistant protective gloves.
Eye protection	: Safety glasses or goggles are recommended when using product.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: A NIOSH approved respirator is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Gas/Pressurized Liquid.
Colour	: No data available.
Odour	: No data available.
Odour threshold	: No data available.
pH	: No data available.
Relative evaporation rate (butylacetate=1)	: No data available.
Melting point	: No data available.
Freezing point	: No data available.
Boiling point	: No data available.
Flash point	: -156° F
Self ignition temperature	: No data available.
Decomposition temperature	: No data available.

APEX B-00005 Engine Degreaser

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Flammability (solid, gas)	: Flammable aerosol.
Vapour pressure	: No data available.
Relative vapour density at 20 °C	: No data available.
Relative density	: 0.819
Solubility	: No data available.
Log Pow	: No data available.
Log Kow	: No data available.
Viscosity, kinematic	: No data available.
Viscosity, dynamic	: No data available.
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosive limits	: No data available.

9.2. Other information

Flame projection = >100 cm

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal conditions. Extremely flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Heat. Incompatible materials. Sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Based on available data, the classification criteria are not met.

Kerosine, petroleum, hydrodesulfurized (64742-81-0)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	> 5.2 mg/l/4h
Naphthalene (91-20-3)	
LD50 dermal rabbit	> 20 g/kg
LC50 inhalation rat	> 340 mg/m³/1hr
Petroleum distillates, hydrotreated light (64742-47-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	> 5.2 mg/l/4h
Alcohols, C9-11, ethoxylated (68439-46-3)	
LD50 oral rat	1378 mg/kg
Toluene (108-88-3)	
LD50 oral rat	636 mg/kg
LD50 dermal rabbit	8390 mg/kg
LC50 inhalation rat	12.8 mg/l/4h

APEX B-00005 Engine Degreaser

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

- -4)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15354 mg/kg
LC50 inhalation rat	17.2 mg/l/4h

Benzene (71-43-2)	
LD50 oral rat	930 mg/kg
LD50 dermal rabbit	> 9.4mL/kg
LC50 inhalation rat	13050-14380 ppm/4h

Cumene (98 -8)	
LD50 oral rat	1400 mg/kg
LD50 dermal rabbit	>3160 mg/kg
LC50 inhalation rat	39000 mg/m³/4h

- -8)	
LD50 oral rat	72 mg/kg
LC50 inhalation rat	800 ppm 4 h

- -0)	
LD50 oral rat	1930 mg/kg

BTS B-00005 Engine Degreaser	
ATE (oral)	LD50 >2000 mg/kg, rat
ATE (dermal)	LD50 >2000 mg/kg, rabbit
ATE (inhalation)	LC50 >5 mg/l/4h, rat

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Suspected of causing cancer.

-20 3)	
IARC group	2B
National Toxicity Program (NTP) Status	1, 3

Toluene (108- -3)	
IARC group	3

- -4)	
IARC group	2B

Benzene (71-43-2)	
IARC group	1
National Toxicity Program (NTP) Status	1

Cumene (98 -8)	
IARC group	2B
National Toxicity Program (NTP) Status	2

- -8)	
IARC group	1
National Toxicity Program (NTP) Status	1

- -0)	
IARC group	2B
National Toxicity Program (NTP) Status	2

Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Based on available data, the classification criteria are not met.
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/injuries after inhalation	: Vapours may cause drowsiness and dizziness.
Symptoms/injuries after skin contact	: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

APEX B-00005 Engine Degreaser

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Symptoms/injuries after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways. May cause stomach distress, nausea or vomiting. This product may be aspirated into the lungs and cause chemical pneumonitis.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
-------------------	---

12.2. Persistence and degradability

BTS B-00005 Engine Degreaser

Persistence and degradability	Not established.
-------------------------------	------------------

12.3. Bioaccumulative potential

BTS B-00005 Engine Degreaser

Bioaccumulative potential	Not established.
---------------------------	------------------

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.
--------------------------------	---

Additional information	: Flammable vapours may accumulate in the container. Do not incinerate empty containers.
------------------------	--

SECTION 14: Transport information

In accordance with DOT.

14.1. UN number

DOT NA no.	UN1950
------------	--------

14.2. UN proper shipping name

DOT Proper Shipping Name	: Aerosols, flammable, (each not exceeding 1 L capacity)
--------------------------	--

Hazard labels (DOT)	: 2.1 - Flammable gases
---------------------	-------------------------



14.3. Additional information

Other information	: No supplementary information available.
-------------------	---

Special transport precautions	: Do not handle until all safety precautions have been read and understood.
-------------------------------	---

SECTION 15: Regulatory information

15.1. US Federal regulations

- -0)

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

-20 3)

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

Listed on SARA Section 313 (Specific toxic chemical listings)

EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
--------------------------	--

SARA Section 313 - Emission Reporting	0.1 %
---------------------------------------	-------

- -8)

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

Alcohols, C9- - -3)

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

Toluene (108- -3)

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

APEX B-00005 Engine Degreaser

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

- -4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Benzene (71-43-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Cumene (98 -8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
- -8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
- -0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
15.2. US State regulations	
BTS B-00005 Engine Degreaser	
State or local regulations	This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16: Other information

Indication of changes : None.
Other information : None.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product