

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name:** THROTTLE BODY & AIR INTAKE CLEANER

**Other means of identification**

**Common Name:** 3400  
**UN/ID No** UN1950  
**Synonyms** None  
**Product Categories** Aerosol Automotive Cleaner, Solvent Based

**Recommended use of the chemical and restrictions on use**

**Sale and Use Restrictions** Not applicable  
**Recommended Use** Restricted to professional users.  
**Uses advised against** Consumer use

**Details of the supplier of the safety data sheet**

**Supplier Address**  
 ACEL, LLC.  
 6826 Hill Park Dr. Suite #100  
 Lorton, VA 22079

**Emergency telephone number**

**Company Phone Number** ACEL, LLC. (888) 801-2507  
**Emergency Telephone** CHEMTREC 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Classification**

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Flammable aerosols	Category 2

**Label elements**

**Emergency Overview**

<p><b>Danger</b></p> <p><b>Hazard statements</b>          Causes skin irritation          Causes severe eye irritation          Suspected of damaging fertility or the unborn child          May cause drowsiness or dizziness          May cause damage to organs through prolonged or repeated exposure          Flammable aerosol          Pressurized container: May burst if heated</p>
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**Appearance** Liquid, Mobile, Compressed gas.

**Physical state** Aerosol

**Odor** Acetone

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear eye/face protection  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 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

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention  
 Specific treatment (see response statements below and Section 4 of the Safety Data Sheet)

IF IN EYES: 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  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse  
 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed  
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F  
 Store in a dry place

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

**Other information**

- May be harmful if swallowed
  - Harmful to aquatic life with long lasting effects
- 10.08 % of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS Number	Weight %	Trade Secret
Acetone	67-64-1	70-85	*
Carbon Dioxide	124-38-9	10-30	*
Toluene	108-88-3	5-10	*
Methyl Alcohol	67-56-1	0-1	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**First aid measures**

<b>General advice</b>	If exposed or concerned: Get medical advice/attention.
<b>Skin contact</b>	Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/ attention.
<b>Inhalation</b>	IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
<b>Eye contact</b>	IF IN EYES: 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.
<b>Ingestion</b>	If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Obtain medical attention.
<b>Notes to Physician</b>	Aspiration into lungs can produce severe lung damage.

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

**Symptoms** Drowsiness, Dizziness, Respiratory irritation, Skin irritation, Eye irritation.

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

**Self-protection of the first aider** Avoid breathing vapors or mists. Avoid contact with skin.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:**

Water spray or fog; Dry chemical, Carbon dioxide (CO2), Alcohol-resistant foam, Sand.

<b>Small Fire</b>	Dry chemical or CO2.
<b>Large Fire</b>	Alcohol resistant foam, Water spray or fog. Sand.
<b>Explosive properties:</b>	Pressurized container: May burst if heated. Risk of explosion if heated under confinement.

**Specific hazards arising from the chemical**

Flammable aerosol. Pressurized container: May burst if heated. Contents under pressure. Keep away from open flames, hot surfaces and sources of ignition. Vapors are heavier than air and may spread along floors. Vapors may travel to areas away from work site before igniting/flashing back to vapor source.

**Hazardous combustion products** Carbon monoxide, Carbon dioxide (CO2), Hydrocarbons.

**Specific methods:**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** Yes. May be ignited by heat, sparks or flames.

**Special firefighting procedures:**

FLAMMABLE AEROSOL. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Do not use a solid water stream as it may scatter and spread fire. Water mist may be used to cool closed containers.

Component	ACGIH - test
Acetone	25
67-64-1 ( 70-85 )	
Toluene	0.02
108-88-3 ( 5-10 )	0.03
	0.3

Methyl Alcohol  
67-56-1 ( 0-1 )

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Remove all sources of ignition. Pay attention to flashback. Use spark-proof tools and explosion-proof equipment. Use personal protective equipment. See Section 8 for information on appropriate personal protective equipment. Avoid contact with skin, eyes and clothing.

**For emergency responders** Use personal protection recommended in Section 8. Remove all sources of ignition. Pay attention to flashback. Ventilate the area.

### Environmental precautions

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Water runoff can cause environmental damage. Avoid subsoil penetration.

### Methods and material for containment and cleaning up

**Methods for Containment** Stop leak if you can do it without risk. Remove all sources of ignition. Ventilate the area. Use non-sparking tools.

**Methods for clean-up:** Pressurized container: Do not pierce or burn, even after use. Clean-up methods - small spillage: Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to state, local, federal regulations. Large spills present a vapor explosion and liquid fire hazard; evacuate area and ensure response by personnel trained and equipped to respond to flammable material incident or off-site emergency responders or fire department.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling:** Contents under pressure. Protect from physical damage. Do not store at temperatures above 122°F (50°C). Protect from direct sunlight. Keep away from heat, sparks and flame. Keep away from any incompatible materials (See Section 10).

### Conditions for safe storage, including any incompatibilities

**Technical measures/precautions:** Mechanical ventilation required if used indoors on a continuous basis. Eye wash and safety shower should be easily accessible.

**Materials to avoid:** Acids, Bases, Oxidizing agents, Reducing agents, Light and/or alkaline metals; Acid chlorides, Acid anhydrides.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Components	ACGIH TLV	OSHA Exposure Limits:	NIOSH IDLH
Acetone 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> TWA: 750 ppm TWA: 1800 mg/m <sup>3</sup>	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>

Carbon Dioxide 124-38-9	STEL: 30000 ppm TWA: 5000 ppm	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> TWA: 10000 ppm TWA: 18000 mg/m <sup>3</sup>	IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> STEL: 30000 ppm STEL: 54000 mg/m <sup>3</sup>
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm TWA: 100 ppm TWA: 375 mg/m <sup>3</sup>	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>
Methyl Alcohol 67-56-1	S* STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup>	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 325 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering measures:** Eye wash and safety shower should be easily accessible. Mechanical ventilation required if used indoors on a continuous basis.

**Individual protection measures, such as personal protective equipment**

- Eye/face protection** Wear safety glasses with side shields (or goggles).
- Skin and body protection** Wear normal work clothing. Solvent-resistant gloves, (consult with the specific manufacturer to confirm performance).
- Respiratory protection** Ensure adequate ventilation. No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate. A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Avoid contact with eyes, skin and clothing. Use personal protective equipment. Wear suitable gloves and eye/face protection. Avoid breathing vapors or mists. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing and wash it before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Aerosol	<b>Odor</b>	Acetone
<b>Appearance</b>	Liquid, Mobile, Compressed gas.	<b>Odor threshold</b>	306-653 ppm
<b>Color</b>	Clear, Colorless to pale yellow		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	N/A	Not applicable	
<b>Melting point/freezing point</b>	-95 °C / -139 °F	(Lowest component)	
<b>Boiling point / boiling range</b>	56 °C / 133 °F	(Lowest component)	
<b>Flash point</b>	-18 °C / -0.4 °F	Of liquid	
<b>Evaporation rate</b>	6	n-Butyl acetate = 1	
<b>Flammability (solid, gas)</b>	No information available		
<b>Flammability Limits in Air</b>		(Lowest component)	
<b>Upper flammability limit</b>	12.8%		
<b>Lower flammability limit</b>	2.0%		
<b>Vapor pressure</b>	No Data Available		
<b>Vapor density</b>	2 (air = 1)	@ 20 °C	
<b>Specific Gravity</b>	0.80	@ 20° C	
<b>Water solubility</b>	Slightly soluble		

<b>Solubility in other solvents</b>	No Data Available	
<b>Partition coefficient</b>	-0.24	Based on data provided
<b>Autoignition temperature</b>	465 °C / 869 °F	(Lowest component)
<b>Decomposition temperature</b>	No Data Available	
<b>Kinematic viscosity</b>	0.417 mm <sup>2</sup> /s	
<b>Dynamic viscosity</b>	0.33 mPa s	
<b>Explosive properties</b>	No Data Available	
<b>Oxidizing properties</b>	No Data Available	

**Other information**

<b>Softening point</b>	No Data Available
<b>Molecular weight</b>	No Data Available
<b>VOC Content (%)</b>	9.2
<b>VOC Content (%)</b>	Contains California VOC exempt solvent
<b>Density</b>	0.80 g/cc
<b>Bulk density</b>	No Data Available

**10. STABILITY AND REACTIVITY**

**Reactivity**

Reactivity Stable under normal conditions.

**Chemical stability**

**Possibility of Hazardous Reactions** None under normal processing  
**Hazardous polymerization** Hazardous polymerization does not occur.

**Conditions to avoid**

Heat, flames and sparks. Temperatures above 120 °C. Keep away from direct sunlight.

**Incompatible materials**

**Materials to avoid:** Acids, Bases, Oxidizing agents, Reducing agents, Light and/or alkaline metals; Acid chlorides, Acid anhydrides.

**Hazardous Decomposition Products**

**Hazardous Decomposition Products** Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Hydrocarbons.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

<b>Product Information</b>	Causes skin irritation. Causes severe eye irritation. Suspected of damaging fertility or the unborn child. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.
<b>Inhalation</b>	Avoid breathing vapors or mists: May cause irritation of respiratory tract. Propellant is a simple asphyxiant.
<b>Eye contact</b>	Avoid contact with eyes: Causes severe eye irritation. Inhalation, ingestion, or skin absorption of methanol can cause blindness.
<b>Skin Contact</b>	Causes skin irritation. Prolonged skin contact may defat the skin and produce dermatitis.
<b>Ingestion</b>	May cause additional effects as listed under "Inhalation". Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Acetone	=5800 mg/kg (Rat)	=7426 mg/kg (Guinea pig)	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h

67-64-1			
Carbon Dioxide 124-38-9	-	-	-
Toluene 108-88-3	= 636 mg/kg ( Rat )	= 12000 mg/kg ( Rabbit )	= 12.5 mg/L ( Rat ) 4 h
Methyl Alcohol 67-56-1	= 6200 mg/kg ( Rat )	-	= 22500 ppm ( Rat ) 8 h

**Information on toxicological effects**

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** Skin Sensitization: Not expected. Respiratory Sensitization: Not classified.  
**Mutagenic effects:** No data available to indicate product or any components present at or greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Category 3: Not Classifiable.

Components	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3		Group 3 (not classified)		

**Reproductive toxicity** Product is or contains a chemical or chemicals which is/are (a) known or suspected reproductive hazard(s): Toluene (CAS#108-88-3).  
**STOT - single exposure** Category 3: May cause respiratory irritation. May cause drowsiness or dizziness.  
**STOT - repeated exposure** Category 2: May cause disorder and damage to the: Eyes, Central nervous system, Reproductive System, Respiratory system, Liver, Kidney.  
**Chronic toxicity** Prolonged exposure may cause chronic effects. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Repeated or prolonged overexposure to solvents may cause permanent damage to the nervous system. Prolonged or repeated contact can cause moderate irritation, defatting and dermatitis. May cause adverse kidney effects. May cause adverse liver effects. May cause harm to the unborn child.  
**Target Organ Effects** Liver, Kidney, Central nervous system, Bladder, Brain.  
**Neurological effects** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Repeated or prolonged overexposure to solvents may cause permanent damage to the nervous system.  
**Other adverse effects** Experiments have shown reproductive toxicity effects in male and female laboratory animals. Inhalation studies on toluene have demonstrated the development of inflammatory and ulcerous lesions of the penis, prepuce, and scrotum in animals.  
**Aspiration hazard** Risk of serious damage to the lungs (by aspiration).

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 10.08 % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

<b>ATEmix (oral)</b>	3451 mg/kg
<b>ATEmix (dermal)</b>	24490 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	50.1 mg/l
<b>ATEmix (inhalation-vapor)</b>	139 mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chronic Aquatic Toxicity: Harmful to aquatic life with long lasting effects.

10.08 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Components	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Acetone 67-64-1		4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus		10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50

		mg/L LC50	
Toluene 108-88-3	433: 96 h Pseudokirchneriella subcapitata mg/L EC50 12.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	15.22 - 19.05: 96 h Pimephales promelas mg/L LC50 flow-through 12.6: 96 h Pimephales promelas mg/L LC50 static 5.89 - 7.81: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 14.1 - 17.16: 96 h Oncorhynchus mykiss mg/L LC50 static 5.8: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 11.0 - 15.0: 96 h Lepomis macrochirus mg/L LC50 static 54: 96 h Oryzias latipes mg/L LC50 static 28.2: 96 h Poecilia reticulata mg/L LC50 semi-static 50.87 - 70.34: 96 h Poecilia reticulata mg/L LC50 static	5.46 - 9.83: 48 h Daphnia magna mg/L EC50 Static 11.5: 48 h Daphnia magna mg/L EC50
Methyl Alcohol 67-56-1		28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through	

**Persistence and degradability**

Readily biodegradable: Soil, Water, Soil (anaerobic conditions).

**Bioaccumulation**

Bioaccumulative potential.

**Mobility**

No information available.

Components	Partition coefficient
Acetone 67-64-1	-0.24
Methyl Alcohol 67-56-1	-0.77

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging**

Pressurized container: Do not pierce or burn, even after use. Dispose of in accordance with federal, state and local regulations.



**14. TRANSPORT INFORMATION**

**DOT**

UN/ID No UN1950  
 Proper Shipping Name: Aerosol, Flammable  
 Hazard Class 2.1  
 Packing Group: N/A  
 Emergency Response Guide Number 126

**IATA**

UN/ID No UN1950  
 Proper Shipping Name: Aerosol, Flammable  
 Hazard Class 2.1  
 Packing Group: N/A

**IMDG**

UN/ID No UN1950  
 Proper Shipping Name: Aerosols  
 Hazard Class 2  
 Packing Group: N/A

Limited quantity (LQ) < 1 Liter

**15. REGULATORY INFORMATION**

**International Inventories**

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

**Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Components	CAS Number	Weight %	SARA 313 - Threshold Values %
Toluene 108-88-3	108-88-3	5-10	1.0 % de minimis concentration
Methyl Alcohol 67-56-1	67-56-1	0-1	1.0 % de minimis concentration

**SARA 311/312 Hazard Categories**

Acute health hazard Yes  
 Chronic Health Hazard Yes  
 Fire hazard Yes  
 Sudden release of pressure hazard Yes  
 Reactive Hazard No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Components	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Acetone 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Toluene 108-88-3	1000 lb 1 lb		RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ
Methyl Alcohol 67-56-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

**State Regulations (RTK)**

**California Proposition 65**

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

**U.S. State Right-to-Know Regulations**

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

**NFPA Rating**

Health hazards 2

Flammability -

Instability 0

Physical and Chemical Properties NFPA Level 2 aerosol

**HMIS Rating**

Health hazards 2\*

Flammability 3

Physical hazards 1

Personal protection B, Flammability classification is under HMIS III

Chronic Hazard Star Legend

\* = Chronic Health Hazard

**Prepared by**

Environmental Health and Safety Department

**Issue Date**

02-20-2017

**Revision Date**

02-20-2017

**Revision Note**

The Emergency Overview has changed. SEE SECTION 2.

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet