# CRC.

# SAFETY DATA SHEET

#### 1. Identification

Product identifier Throttle Body & Air-Intake Cleaner

Other means of identification

**Product code** 05078, 05678

Recommended use Fuel-Injection air intake cleaner

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufactured or sold by:

Company name CRC Industries, Inc.

Address 885 Louis Dr.

Warminster, PA 18974 US

Telephone

**General Information** 215-674-4300 **Technical** 800-521-3168

**Assistance** 

 Customer Service
 800-272-4620

 24-Hour Emergency
 800-424-9300 (US)

(CHEMTREC) 703-527-3887 (International)
Website www.crcindustries.com

# 2. Hazard(s) identification

Physical hazards Flammable aerosols Category 1

Gases under pressure Compressed gas

Health hazards Serious eye damage/eye irritation Category 2

Reproductive toxicity (the unborn child) Category 2

Specific target organ toxicity, single exposure Category 3 narcotic effects

Specific target organ toxicity, repeated

exposure

Hazardous to the aquatic environment, acute Category 2

hazard

Hazardous to the aquatic environment,

long-term hazard

OSHA defined hazards Not classified.

Label elements

**Environmental hazards** 



Signal word Danger

Hazard statement Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes

serious eye irritation. May cause drowsiness or dizziness. May cause damage to organs (liver, kidneys, brain, lungs) through prolonged or repeated exposure. Suspected of damaging the

Category 2

Category 2

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

Material name: Throttle Body & Air-Intake Cleaner
05078, 05678 Version #: 02 Revision date: 08-28-2015 Issue date: 05-07-2015

# **Precautionary statement**

Prevention

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 apply while equipment is energized. Pressurized container: Do not pierce or burn, even after use. Extinguish all flames, pilot lights and heaters. Vapors will accumulate readily and may ignite. Use only with adequate ventilation; maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Do not breathe mist or vapor. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Avoid release to the environment.

Response

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/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. If eye irritation persists: Get medical attention. If exposed or concerned: Get medical advice/attention. Collect spillage.

Storage

Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Exposure to high temperature may cause can to burst.

**Disposal** 

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

Hazard(s) not otherwise classified (HNOC)

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

# 3. Composition/information on ingredients

<b>lixtures</b>			
Chemical name	Common name and synonyms	CAS number	%
Acetone		67-64-1	80 - 90
Carbon dioxide		124-38-9	5 - 10
3-Methylhexane		589-34-4	1 - 3
Methylcyclohexane		108-87-2	1 - 3
Naphtha (petroleum), hydrotreated light		64742-49-0	1 - 3
n-Heptane		142-82-5	1 - 3
Toluene		108-88-3	1 - 3
Cyclohexane		110-82-7	< 1

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

# 4. First-aid measures

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.

Rinse skin with water/shower. Get medical attention if irritation develops and persists. Skin contact Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do not Ingestion

induce vomiting without advice from poison control center. Most important

symptoms/effects, acute and delayed

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed

General information

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

# 5. Fire-fighting measures

Suitable extinguishing media

Alcohol resistant foam. Water fog. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Material name: Throttle Body & Air-Intake Cleaner

# Specific hazards arising from the chemical

Contents under pressure. Pressurized container may rupture when exposed to heat or flame. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire-fighting equipment/instructions

In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.

General fire hazards

Extremely flammable aerosol. Contents under pressure. Pressurized container may rupture when exposed to heat or flame.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Remove all possible sources of ignition in the surrounding area. Many vapors are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop the flow of material, if this is without risk. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

**Environmental precautions** 

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases. Use appropriate containment to avoid environmental contamination.

# 7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Do not breathe mist or vapor. Avoid contact with eyes. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. For product usage instructions, please see the product label.

Conditions for safe storage, including any incompatibilities

Level 3 Aerosol.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Avoid spark promoters. These alone may be insufficient to remove static electricity. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

# 8. Exposure controls/personal protection

# Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)			
Components	Туре	Value	
Acetone (CAS 67-64-1)	PEL	2400 mg/m3 1000 ppm	

Carbon dioxide (CAS   PEL   9000 mg/m3   5000 ppm   500	Components	Туре	Value	
Cyclohexane (CAS         PEL         1050 mg/m3           108-87-2)         300 ppm           n-Heptane (CAS 142-82-5)         PEL         2000 mg/m3           US. OSHA Table Z-2 (29 CFR 1910.1000)         Type         Value           Components         Type         Value           Toluene (CAS 108-88-3)         Ceiling         300 ppm           US. ACGIH Threshold Limit Values         Type         Value           Components         Type         Value           3-Methylhexane (CAS         STEL         500 ppm           4-Carbon dioxide (CAS         STEL         30000 ppm           Carbon dioxide (CAS         STEL         30000 ppm           Cyclohexane (CAS         TWA         100 ppm           Cyclohexane (CAS         TWA         100 ppm           Methylcyclohexane (CAS         STEL         500 ppm           Methylcyclohexane (CAS 108-88-3)         TWA         400 ppm           Tolluene (CAS 108-88-3)         TWA         20 ppm           US. MOSH: Pocket Guide to Chemical Hazards         5000 p		PEL	9000 mg/m3	
110-82-7    300 ppm   2000 mg/m3   500 ppm   2000 mg/m3   2000 ppm   2000 mg/m3   2000 ppm   2000 pp			5000 ppm	
Methylcyclohexane (CAS 142-82-5) PEL 2000 mg/m3 108-87-2)		PEL	, and the second	
108-87-2) n-Heptane (CAS 142-82-5) PEL 2000 mg/m3 500 ppm  US. OSHA Table Z-2 (29 CFR 1910.1000) Components Type Value  Toluene (CAS 108-8-3) Ceiling TWA 200 ppm  US. ACGIH Threshold Limit Values Components Type Value  3-Methylhexane (CAS 3-Methylhexane (CAS 589-34-4) TWA 400 ppm Acetone (CAS 67-64-1) TWA 500 ppm  Carbon dioxide (CAS STEL 750 ppm 104-82-7) TWA 500 ppm  Cyclohexane (CAS TWA 100 ppm 104-82-7) TWA 400 ppm 105-87-89 TWA 400 ppm 109 ppm 1		DE!		
n-Heptane (CAS 142-82-5) PEL 500 mg/m3 500 ppm  US. OSHA Table Z-2 (29 CFR 1910.1000) Type Value  Toluene (CAS 108-88-3) Ceilling 300 ppm TWA 200 ppm  US. ACGIH Threshold Limit Values Components Type Value  3-Methylhexane (CAS 589-34-4) TWA 400 ppm Acetone (CAS 67-64-1) STEL 750 ppm TWA 500 ppm  Carbon dioxide (CAS STEL 30000 ppm  Cyclohexane (CAS T42-82-5) TWA 100 ppm  n-Heptane (CAS 108-88-3) TWA 200 ppm  TWA 400 ppm  TWA 5000 ppm  TWA 400 ppm  TWA 5000 ppm  TWA 400 ppm  TWA 5000 ppm  TWA 9000 ppm  TWA 9000 ppm  TWA 9000 mg/m3  TWA 9000 mg/m	Methylcyclohexane (CAS 108-87-2)	PEL	-	
S00 ppm   S00	n-Hentane (CAS 142-82-5)	DEI		
Components         Type         Value           Toluene (CAS 108-88-3)         Ceiling TWA         300 ppm           US. ACGIH Threshold Limit Values Components         Type         Value           3-Methylhexane (CAS 589-34-4)         TWA         400 ppm           3-Methylhexane (CAS 67-64-1)         STEL         500 ppm           Acetone (CAS 67-64-1)         TWA         500 ppm           Carbon dioxide (CAS         STEL         30000 ppm           124-38-9)         TWA         5000 ppm           Cyclohexane (CAS         TWA         100 ppm           Anthylicyclohexane (CAS         STEL         500 ppm           108-87-2)         TWA         400 ppm           Methylcyclohexane (CAS         STEL         500 ppm           108-87-2)         TWA         400 ppm           n-Heptane (CAS 142-82-5)         STEL         500 ppm           Tolluene (CAS 108-88-3)         TWA         20 ppm           US. NIOSH: Pocket Guide to Chemical Hazards         Components         Type         Value           Acetone (CAS 67-64-1)         TWA         500 ppm           Carbon dioxide (CAS         STEL         54000 mg/m3           124-38-9)         30000 ppm           Cyclohexane (CAS				
Toluene (CAS 108-88-3)  Ceiling TWA  200 ppm  US. ACGIH Threshold Limit Values Components  Type  Value  3-Methylhexane (CAS 587-58-34-4)  TWA  Acetone (CAS 67-64-1)  TWA  Carbon dioxide (CAS TWA  TWA  TWA  TWA  TWA  TWA  TWA  TW			Value	
TWA 200 ppm  SACGHT Threshold Limit Values Components Type Value  3-Methylhexane (CAS 57-64-1) TWA 400 ppm Acetone (CAS 67-64-1) STEL 750 ppm TWA 5000 ppm Carbon dioxide (CAS 5TEL 30000 ppm Carbon dioxide (CAS 7WA 100 ppm 170-82-7) TWA 5000 ppm Cyclohexane (CAS 7WA 100 ppm 170-82-7) TWA 400 ppm 170-82-70 TYWA 100 ppm 170-82-80 TYWA 100 ppm 170-82-70 TYWA 100 ppm 1800 mg/m3 1800 mg	Components	туре	value	
Name	Toluene (CAS 108-88-3)			
Components         Type         Value           3-Methylhexane (CAS 589-34-4)         STEL         500 ppm           589-34-4)         TWA         400 ppm           Acetone (CAS 67-64-1)         STEL         750 ppm           Carbon dioxide (CAS         STEL         30000 ppm           124-38-9)         TWA         5000 ppm           Cyclohexane (CAS         TWA         100 ppm           108-87-27)         TWA         100 ppm           Methylcyclohexane (CAS         STEL         500 ppm           108-87-22)         TWA         400 ppm           n-Heptane (CAS 142-82-5)         STEL         500 ppm           Tolluene (CAS 148-88-3)         TWA         20 ppm           US. NIOSH: Pocket Guide to Chemical Hazards         Value           Components         Type         Value           Acetone (CAS 67-64-1)         TWA         590 mg/m3           Carbon dioxide (CAS         STEL         54000 mg/m3           124-38-9)         30000 ppm           Cyclohexane (CAS         TWA         1050 mg/m3           10-82-7)         300 ppm           Methylcyclohexane (CAS         TWA         1600 mg/m3           10-8-7-2)         400 ppm		TWA	200 ppm	
3-Methylhexane (CAS   STEL   500 ppm   589-34-4)   TWA   400 ppm   Acetone (CAS 67-64-1)   STEL   750 ppm   TWA   500 ppm   TWA   500 ppm   TWA   5000 ppm   TWA   TWA   5000 ppm   TWA   TWA				
589-34-4)  TWA 400 ppm Acetone (CAS 67-64-1) STEL 750 ppm TWA 500 ppm Carbon dioxide (CAS 3TEL 30000 ppm 124-38-9) TWA 5000 ppm Cyclohexane (CAS 142-82-5) TWA 100 ppm TWA 10-82-7'  Acetone (CAS 142-82-5) TWA 400 ppm TWA 590 mg/m3 250 ppm Carbon dioxide (CAS 164-1) TWA 9000 mg/m3 TWA 10-82-7' TWA 1050 mg/m3 TWA 1050 mg/m3 TWA 10600 mg/m3 TWA 1060	Components	Туре	Value	
Acetone (CAS 67-64-1)		STEL	500 ppm	
TWA 500 ppm Carbon dioxide (CAS 124-38-9)  TWA 5000 ppm 100 ppm 110-82-7)  Methylcyclohexane (CAS 142-82-5) STEL 500 ppm 100 p		TWA	400 ppm	
Carbon dioxide (CAS       STEL       30000 ppm         124-38-9)       TWA       5000 ppm         Cyclohexane (CAS       TWA       100 ppm         110-82-7)       TWA       100 ppm         Methylycyclohexane (CAS       STEL       500 ppm         108-87-2)       TWA       400 ppm         n-Heptane (CAS 142-82-5)       STEL       500 ppm         Toluene (CAS 108-88-3)       TWA       20 ppm         US. NIOSH: Pocket Guide to Chemical Hazards         Components       Type       Value         Acetone (CAS 67-64-1)       TWA       590 mg/m3         250 ppm       250 ppm         Carbon dioxide (CAS       STEL       54000 mg/m3         124-38-9)       30000 ppm         TWA       9000 mg/m3         5000 ppm       5000 ppm         Cyclohexane (CAS       TWA       1050 mg/m3         110-82-7)       300 ppm         Methylcyclohexane (CAS       TWA       1600 mg/m3         108-87-2)       400 ppm         n-Heptane (CAS 142-82-5)       Ceiling       1800 mg/m3         440 ppm       440 ppm         TWA       350 mg/m3         60 mg/m3       50 mg	Acetone (CAS 67-64-1)	STEL	750 ppm	
124-38-9)  TWA 5000 ppm  Cyclohexane (CAS TWA 100 ppm  110-82-7)  Methylcyclohexane (CAS STEL 500 ppm  108-87-2)  TWA 400 ppm  n-Heptane (CAS 142-82-5)  TWA 400 ppm  TWA 400 ppm  Toluene (CAS 108-88-3)  TWA 20 ppm  US. NIOSH: Pocket Guide to Chemical Hazards  Components  Type  Value  Acetone (CAS 67-64-1)  TWA 590 mg/m3  250 ppm  Carbon dioxide (CAS STEL 54000 mg/m3  124-38-9)  TWA 9000 mg/m3  5000 ppm  Cyclohexane (CAS TWA 1050 mg/m3  10-82-7)  Methylcyclohexane (CAS TWA 1050 mg/m3  108-87-2)  Methylcyclohexane (CAS 142-82-5)  Ceiling 1800 mg/m3  108-87-2)  n-Heptane (CAS 142-82-5)  Ceiling 1800 mg/m3  500 ppm  TWA 350 mg/m3  440 ppm  TWA 350 mg/m3  85 ppm  Toluene (CAS 108-88-3)  STEL 560 mg/m3  150 ppm				
Cyclohexane (CAS 110-82-7)       TWA       100 ppm         Methylcyclohexane (CAS 108-87-2)       STEL       500 ppm         n-Heptane (CAS 142-82-5)       TWA       400 ppm         Toluene (CAS 108-88-3)       TWA       20 ppm         US. NIOSH: Pocket Guide to Chemical Hazards         Components       Type       Value         Acetone (CAS 67-64-1)       TWA       590 mg/m3         Carbon dioxide (CAS 124-38-9)       STEL       54000 mg/m3         124-38-9)       30000 ppm         Cyclohexane (CAS 17WA 1050 mg/m3 110-82-7)       300 ppm         Methylcyclohexane (CAS 17WA 1600 mg/m3 108-87-2)       100 ppm         Methylcyclohexane (CAS 142-82-5)       Ceiling 1800 mg/m3 440 ppm         TWA 350 mg/m3 440 ppm       100 ppm         Toluene (CAS 108-88-3)       STEL 560 mg/m3 150 ppm			•	
110-82-7   Methylcyclohexane (CAS   STEL   500 ppm				
108-87-2)  TWA 400 ppm  n-Heptane (CAS 142-82-5) STEL 500 ppm  TWA 400 ppm  Toluene (CAS 108-88-3) TWA 20 ppm  US. NIOSH: Pocket Guide to Chemical Hazards Components Type Value  Acetone (CAS 67-64-1) TWA 590 mg/m3  250 ppm  Carbon dioxide (CAS 57-64-1) TWA 5900 mg/m3  124-38-9) 30000 ppm  TWA 9000 mg/m3  5000 ppm  Cyclohexane (CAS TWA 1050 mg/m3  110-82-7) 300 ppm  Methylcyclohexane (CAS TWA 1600 mg/m3  108-87-2) 400 ppm  n-Heptane (CAS 142-82-5) Ceiling 1800 mg/m3  440 ppm  TWA 350 mg/m3  440 ppm  TWA 560 mg/m3  TWA 560 mg/m3  57 ppm  Toluene (CAS 108-88-3) STEL 560 mg/m3  Toluene (CAS 108-88-3)	110-82-7)		•	
n-Heptane (CAS 142-82-5)				
TWA 400 ppm Toluene (CAS 108-88-3) TWA 20 ppm  US. NIOSH: Pocket Guide to Chemical Hazards Components Type Value  Acetone (CAS 67-64-1) TWA 590 mg/m3 250 ppm  Carbon dioxide (CAS 57-64-1) TWA 590 mg/m3 250 ppm  Carbon dioxide (CAS 57-64-1) TWA 59000 mg/m3 124-38-9) TWA 9000 mg/m3 5000 ppm  Cyclohexane (CAS TWA 9000 mg/m3 5000 ppm  Cyclohexane (CAS TWA 1050 mg/m3 110-82-7) 300 ppm  Methylcyclohexane (CAS TWA 1600 mg/m3 108-87-2) 400 ppm  n-Heptane (CAS 142-82-5) Ceiling 1800 mg/m3 440 ppm  TWA 350 mg/m3 85 ppm  Toluene (CAS 108-88-3) STEL 560 mg/m3 150 ppm				
Toluene (CAS 108-88-3)  US. NIOSH: Pocket Guide to Chemical Hazards Components  Type  Acetone (CAS 67-64-1)  TWA  S90 mg/m3 250 ppm  Carbon dioxide (CAS 124-38-9)  TWA  STEL  TWA  S0000 ppm  TWA  9000 mg/m3 5000 ppm  Cyclohexane (CAS 108-87-2)  Methylcyclohexane (CAS 108-87-2)  TWA  TWA  S1000 ppm  TWA  1050 mg/m3 1000 ppm  1050 mg/m3 1050 mg/m3 1050 mg/m3 1000	n-Heptane (CAS 142-82-5)			
US. NIOSH: Pocket Guide to Chemical Hazards         Type         Value           Acetone (CAS 67-64-1)         TWA         590 mg/m3           Carbon dioxide (CAS         STEL         54000 mg/m3           124-38-9)         TWA         30000 ppm           Cyclohexane (CAS         TWA         9000 mg/m3           110-82-7)         300 ppm           Methylcyclohexane (CAS         TWA         1600 mg/m3           108-87-2)         400 ppm           n-Heptane (CAS 142-82-5)         Ceiling         1800 mg/m3           440 ppm         350 mg/m3           85 ppm         Toluene (CAS 108-88-3)         STEL         560 mg/m3           Toluene (CAS 108-88-3)         STEL         560 mg/m3           150 ppm         150 ppm	T. I. (0.10.100.00.0)		• •	
Components         Type         Value           Acetone (CAS 67-64-1)         TWA         590 mg/m3 250 ppm           Carbon dioxide (CAS 124-38-9)         STEL         54000 mg/m3           124-38-9)         30000 ppm           TWA         9000 mg/m3 5000 ppm           Cyclohexane (CAS 110-82-7)         TWA         1050 mg/m3 1050 mg/m3           Methylcyclohexane (CAS 108-82-5)         TWA         1600 mg/m3 160			20 ppm	
Carbon dioxide (CAS 124-38-9)       STEL       54000 mg/m3         124-38-9)       30000 ppm         TWA       9000 mg/m3         5000 ppm       5000 ppm         Cyclohexane (CAS 110-82-7)       TWA       1050 mg/m3         Methylcyclohexane (CAS 108-87-2)       TWA       1600 mg/m3         n-Heptane (CAS 142-82-5)       Ceiling       1800 mg/m3         440 ppm       440 ppm         TWA       350 mg/m3         440 ppm       85 ppm         Toluene (CAS 108-88-3)       STEL       560 mg/m3         150 ppm			Value	
Carbon dioxide (CAS 124-38-9)       STEL       54000 mg/m3         124-38-9)       30000 ppm         TWA       9000 mg/m3         5000 ppm       5000 ppm         Cyclohexane (CAS 110-82-7)       TWA       1050 mg/m3         Methylcyclohexane (CAS 108-87-2)       TWA       1600 mg/m3         n-Heptane (CAS 142-82-5)       Ceiling       1800 mg/m3         440 ppm       440 ppm         TWA       350 mg/m3         440 ppm       85 ppm         Toluene (CAS 108-88-3)       STEL       560 mg/m3         150 ppm	Acetone (CAS 67-64-1)	TWA	590 mg/m3	
Carbon dioxide (CAS       STEL       54000 mg/m3         124-38-9)       30000 ppm         TWA       9000 mg/m3         5000 ppm       5000 ppm         Cyclohexane (CAS       TWA       1050 mg/m3         110-82-7)       300 ppm         Methylcyclohexane (CAS       TWA       1600 mg/m3         108-87-2)       400 ppm         n-Heptane (CAS 142-82-5)       Ceiling       1800 mg/m3         440 ppm       440 ppm         TWA       350 mg/m3         85 ppm       560 mg/m3         150 ppm       150 ppm	,		<u>~</u>	
TWA 9000 mg/m3 5000 ppm  Cyclohexane (CAS 110-82-7)  Methylcyclohexane (CAS 108-87-2)  n-Heptane (CAS 142-82-5)  TWA  TWA  TWA  1050 mg/m3  1600 mg/m3  400 ppm  1800 mg/m3  440 ppm  TWA  TWA  350 mg/m3  85 ppm  Toluene (CAS 108-88-3)  Tel  Toluene (CAS 108-88-3)  Toluene (CAS 108-88-3)		STEL		
Cyclohexane (CAS 110-82-7)       TWA       1050 mg/m3         Methylcyclohexane (CAS 108-88-3)       TWA       300 ppm         Methylcyclohexane (CAS 142-82-5)       TWA       1600 mg/m3         400 ppm       400 ppm         1800 mg/m3       440 ppm         440 ppm       350 mg/m3         85 ppm       85 ppm         Toluene (CAS 108-88-3)       STEL       560 mg/m3         150 ppm       150 ppm				
Cyclohexane (CAS 110-82-7)       TWA       1050 mg/m3         Methylcyclohexane (CAS 108-88-3)       TWA       1600 mg/m3         Methylcyclohexane (CAS 142-82-5)       TWA       400 ppm         n-Heptane (CAS 142-82-5)       Ceiling       1800 mg/m3         440 ppm       440 ppm         TVIA       350 mg/m3         85 ppm         Toluene (CAS 108-88-3)       STEL       560 mg/m3         150 ppm		TWA	<u> </u>	
110-82-7)  Methylcyclohexane (CAS				
Methylcyclohexane (CAS 108-87-2)       TWA       1600 mg/m3         n-Heptane (CAS 142-82-5)       Ceiling       1800 mg/m3         440 ppm       440 ppm         TWA       350 mg/m3         85 ppm       85 ppm         Toluene (CAS 108-88-3)       STEL       560 mg/m3         150 ppm		TWA	-	
108-87-2)  n-Heptane (CAS 142-82-5)  Ceiling  TWA  TOluene (CAS 108-88-3)  Ceiling  400 ppm  1800 mg/m3  440 ppm  350 mg/m3  85 ppm  560 mg/m3  150 ppm				
n-Heptane (CAS 142-82-5)  Ceiling  1800 mg/m3  440 ppm  TWA  350 mg/m3  85 ppm  Toluene (CAS 108-88-3)  STEL  560 mg/m3  150 ppm		TWA	-	
440 ppm TWA 350 mg/m3 85 ppm Toluene (CAS 108-88-3) STEL 560 mg/m3 150 ppm		0.3		
TWA 350 mg/m3 85 ppm Toluene (CAS 108-88-3) STEL 560 mg/m3 150 ppm	n-Heptane (CAS 142-82-5)	Ceiling		
85 ppm Toluene (CAS 108-88-3) STEL 560 mg/m3 150 ppm		T)0/0		
Toluene (CAS 108-88-3) STEL 560 mg/m3 150 ppm		IVVA		
150 ppm	Toluene (CAS 400 00 0)	CTC!		
	Toluene (CAS 108-88-3)	SIEL		

Components Type Value

100 ppm

#### **Biological limit values**

ACGIH	Biological	Exposure	Indices
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Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	50 mg/l	Acetone	Urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*

<sup>\* -</sup> For sampling details, please see the source document.

#### **Exposure guidelines**

US - California OELs: Skin designation

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Toluene (CAS 108-88-3) Skin designation applies.

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

# Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear protective gloves such as: Nitrile. Neoprene. Polyvinyl alcohol (PVA).

Other Wear suitable protective clothing.

Respiratory protection If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a

NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to

determine actual employee exposure levels.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work

clothing and protective equipment to remove contaminants.

# 9. Physical and chemical properties

**Appearance** 

Physical state Liquid.
Form Aerosol.

Color Clear. Colorless.

Odor Ketone.
Odor threshold Not available.
PH Not available.

Melting point/freezing point -195.9 °F (-126.6 °C) estimated Initial boiling point and boiling 132.9 °F (56.1 °C) estimated

range Flash point ,

< 0 °F (< -17.8 °C) Tag Closed Cup

**Evaporation rate** Fast.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower 1.1 % estimated

(%)

Flammability limit - upper 12.8 % estimated

(%)

Material name: Throttle Body & Air-Intake Cleaner

Vapor pressure 5856.8 hPa estimated

Vapor density2 (air = 1)Relative density0.86 estimatedSolubility (water)Slightly soluble.Partition coefficientNot available.

(n-octanol/water)

Auto-ignition temperature 539.6 °F (282 °C) estimated

Decomposition temperature Not available.

Viscosity (kinematic) Not available.

Percent volatile 90.1 % estimated

# 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Heat, flames and sparks. Contact with incompatible materials.

**Incompatible materials** Acids. Aluminum. Strong oxidizing agents.

Hazardous decomposition

products

Carbon oxides.

# 11. Toxicological information

#### Information on likely routes of exposure

**Inhalation** May cause damage to organs through prolonged or repeated exposure by inhalation. May cause

drowsiness and dizziness. Headache. Nausea, vomiting.

**Skin contact** Prolonged skin contact may cause temporary irritation.

**Eve contact** Causes serious eye irritation.

**Ingestion** Single dose oral toxicity is considered to be low. Swallowing large amounts may cause serious

injury, even death. If aspirated into lungs, during swallowing or vomiting, liquid may be rapidly

absorbed through the lungs and result in injury to other body systems.

Symptoms related to the physical, chemical and toxicological characteristics

Headache. May cause drowsiness and dizziness. Nausea, vomiting. Severe eye irritation.

Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

# Information on toxicological effects

Acute toxicity Narcotic effects.

Product Species Test Results

Throttle Body & Air-Intake Cleaner

Acute Dermal

LD50 Rabbit

Rabbit 13960 mg/kg estimated

Inhalation

LC50 Rat 80 mg/l, 4 Hours estimated

Oral

LD50 Rat 6330 mg/kg estimated

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye

irritation

05078, 05678

Causes serious eye irritation.

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

Version #: 02 Revision date: 08-28-2015 Issue date: 05-07-2015

**Germ cell mutagenicity**No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Material name: Throttle Body & Air-Intake Cleaner

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

# IARC Monographs. Overall Evaluation of Carcinogenicity

Toluene (CAS 108-88-3) 3 Not classifiable as to carcinogenicity to humans.

#### US. National Toxicology Program (NTP) Report on Carcinogens

Not available.

**Reproductive toxicity** Suspected of damaging the unborn child.

Specific target organ toxicity -

single exposure

May cause drowsiness and dizziness.

Specific target organ toxicity -

repeated exposure

May cause damage to organs through prolonged or repeated exposure: Liver. Kidneys. Brain.

Lungs.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**Chronic effects** May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may

be harmful.

# 12. Ecological information

cotoxicity	Toxic to a	quatic life with long lasting effects.		
Product		Species	Test Results	
Throttle Body & Air-Inta	ake Cleaner			
Aquatic				
Acute				
Fish	LC50	Fish	119.4553 mg/l, 96 hours estimated	
Components		Species	Test Results	
Acetone (CAS 67-64-1	)			
Aquatic				
Crustacea	EC50	Water flea (Daphnia magna)	10294 - 17704 mg/l, 48 hours	
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours	
Cyclohexane (CAS 11)	0-82-7)			
Aquatic				
Fish	LC50	Fathead minnow (Pimephales promelas)	23.03 - 42.07 mg/l, 96 hours	
Methylcyclohexane (Ca	AS 108-87-2)			
Aquatic				
Fish	LC50	Striped bass (Morone saxatilis)	5.8 mg/l, 96 hours	
n-Heptane (CAS 142-8	32-5)			
Aquatic				
Acute				
Fish	LC50	Fathead minnow (Pimephales promelas)	2.1 - 2.98 mg/l, 96 hours	
Toluene (CAS 108-88-	3)			
Aquatic				
Crustacea	EC50	Water flea (Daphnia magna)	5.46 - 9.83 mg/l, 48 hours	
Fish	LC50	Coho salmon,silver salmon (Oncorhynchus kisutch)	8.11 mg/l, 96 hours	

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

# **Bioaccumulative potential**

Partition coefficient n-octanol / water (log Kow)

 Acetone
 -0.24

 Cyclohexane
 3.44

 Methylcyclohexane
 3.61

 n-Heptane
 4.66

 Toluene
 2.73

Mobility in soil No data available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

# 13. Disposal considerations

Disposal of waste from residues / unused products If discarded, this product is considered a RCRA ignitable waste, D001. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not

puncture, incinerate or crush. Dispose in accordance with all applicable regulations.

Hazardous waste code

D001: Waste Flammable material with a flash point <140 F

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

# 14. Transport information

DOT

**UN** number UN1950

Aerosols, flammable, Limited Quantity **UN proper shipping name** 

Transport hazard class(es)

Class 2.1 Subsidiary risk 2.1 Label(s)

Not applicable. Packing group

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions 306 Packaging exceptions Packaging non bulk None Packaging bulk None

**IATA** 

**UN** number UN1950

**UN** proper shipping name Aerosols, flammable, Limited Quantity

Transport hazard class(es)

Class 2.1 Subsidiary risk

Packing group Not applicable.

**Environmental hazards** No. **ERG Code** 

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo

Allowed.

aircraft Cargo aircraft only

Allowed.

**IMDG** 

UN1950 **UN** number

**UN** proper shipping name AEROSOLS, LIMITED QUANTITY

Transport hazard class(es) Class 2

Subsidiary risk

Packing group Not applicable.

**Environmental hazards** 

No. Marine pollutant F-D. S-U **FmS** 

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

# 15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

SARA 304 Emergency release notification

Not regulated.

# US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Toluene (CAS 108-88-3)

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Acetone (CAS 67-64-1) Listed. Toluene (CAS 108-88-3) Listed.

**CERCLA Hazardous Substances: Reportable quantity** 

Acetone (CAS 67-64-1) 5000 LBS Toluene (CAS 108-88-3) 1000 LBS

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Toluene (CAS 108-88-3)

# Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

#### Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical **Code Number**

Acetone (CAS 67-64-1) 6532 6594 Toluene (CAS 108-88-3)

# Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Acetone (CAS 67-64-1) 35 %WV Toluene (CAS 108-88-3) 35 %WV

**DEA Exempt Chemical Mixtures Code Number** 

Acetone (CAS 67-64-1) 6532 Toluene (CAS 108-88-3) 594

**Food and Drug** Not regulated.

Administration (FDA)

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 Immediate Hazard - Yes Delayed Hazard - Yes **Hazard categories** Fire Hazard - Yes Pressure Hazard - Yes

Reactivity Hazard - No

**SARA 302 Extremely** hazardous substance

# US state regulations

# US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Acetone (CAS 67-64-1)

Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)

No

Toluene (CAS 108-88-3)

# US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed

# US. New Jersey Worker and Community Right-to-Know Act

3-Methylhexane (CAS 589-34-4)

Acetone (CAS 67-64-1)

Carbon dioxide (CAS 124-38-9)

Methylcyclohexane (CAS 108-87-2)

n-Heptane (CAS 142-82-5)

Toluene (CAS 108-88-3)

#### **US. Massachusetts RTK - Substance List**

3-Methylhexane (CAS 589-34-4)

Acetone (CAS 67-64-1)

Carbon dioxide (CAS 124-38-9)

Methylcyclohexane (CAS 108-87-2)

n-Heptane (CAS 142-82-5)

Toluene (CAS 108-88-3)

#### US. Pennsylvania Worker and Community Right-to-Know Law

Acetone (CAS 67-64-1)

Toluene (CAS 108-88-3) Cyclohexane (CAS 110-82-7) 3-Methylhexane (CAS 589-34-4) Carbon dioxide (CAS 124-38-9) Methylcyclohexane (CAS 108-87-2) n-Heptane (CAS 142-82-5)

#### **US. Rhode Island RTK**

Acetone (CAS 67-64-1) Toluene (CAS 108-88-3)

#### **US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

 Benzene (CAS 71-43-2)
 Listed: February 27, 1987

 Cumene (CAS 98-82-8)
 Listed: April 6, 2010

 Ethanal (CAS 75-07-0)
 Listed: April 1, 1988

 Ethylbenzene (CAS 100-41-4)
 Listed: June 11, 2004

 Naphthalene (CAS 91-20-3)
 Listed: April 19, 2002

# US - California Proposition 65 - CRT: Listed date/Developmental toxin

Benzene (CAS 71-43-2)

Toluene (CAS 108-88-3)

Listed: December 26, 1997

Listed: January 1, 1991

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

# US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

Toluene (CAS 108-88-3) Listed: August 7, 2009

#### US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

Benzene (CAS 71-43-2) Listed: December 26, 1997

#### Volatile organic compounds (VOC) regulations

**EPA** 

VOC content (40 CFR 9.1 %

51.100(s))

Consumer products Compliant

(40 CFR 59, Subpt. C)

State

Consumer products This product is regulated as a Fuel Injection Air Intake Cleaner. This product is compliant for use in

all 50 states.

 VOC content (CA)
 9.1 %

 VOC content (OTC)
 9.1 %

# **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

# 16. Other information, including date of preparation or last revision

Issue date 05-07-2015

Material name: Throttle Body & Air-Intake Cleaner
05078, 05678 Version #: 02 Revision date: 08-28-2015 Issue date: 05-07-2015

Revision date 08-28-2015 Prepared by Allison Cho

Version # 02

Further information CRC # 464K

HMIS® ratings Health: 2\*
Flammability: 4

Physical hazard: 0 Personal protection: B

NFPA ratings Health: 2

Flammability: 4 Instability: 0

**NFPA** ratings



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