Material Safety Data Sheet

1. MATERIAL AND COMPANY IDENTIFICATION

Material Name : **Gumout Professional Air Intake and Throttle Body Cleaner**
Uses : Cleaner

Manufacturer/Supplier : **ITW Global Brands**
6925 Portwest Dr., Suite 100
Houston, TX. 77024-8042
USA

MSDS Request : 1-855-888-1988

Emergency Telephone Number
Spill Information : (CHEMTREC) 1-800-424-9300, Local: 1-703-527-3887
Health Information : (RMPDC) 1-877-504-9352

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity	CAS No.	Concentration
Acetone	67-64-1	60.00 - 100.00 %
Toluene	108-88-3	5.00 - 10.00 %
Carbon dioxide	124-38-9	5.00 - 10.00 %

Aerosol spray consisting of solvent, additives and carbon dioxide propellant.

3. HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odour : Colourless to yellowish. Aerosol. Liquid. Alcohol-like.

Health Hazards : Harmful in contact with skin. Vapours may cause drowsiness and dizziness. Irritating to eyes. Irritating to skin. Harmful: may cause lung damage if swallowed. Harmful by inhalation.

Safety Hazards : Contents under pressure and can explode when exposed to heat or open flame. Extremely flammable.

Environmental Hazards : Not classified as dangerous for the environment.

Health Hazards

Inhalation : Vapours may cause drowsiness and dizziness. Harmful by inhalation. Harmful by inhalation and in contact with skin.

Skin Contact : Irritating to skin. Harmful in contact with skin. Harmful by inhalation and in contact with skin.

Eye Contact : Irritating to eyes.

Ingestion : Harmful: may cause lung damage if swallowed.

Other Information : Possibility of organ or organ system damage from prolonged exposure; see Chapter 11 for details. Target organ(s):
Visual system.
Respiratory system.
Central nervous system (CNS).

Signs and Symptoms	:	Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death. Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters. Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision. If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. The onset of respiratory symptoms may be delayed for several hours after exposure. Visual system disturbances may be evidenced by decreases in the ability to discriminate between colours.
Aggravated Medical Condition	:	Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Skin. Eyes. Respiratory system. Central nervous system (CNS).
Environmental Hazards	:	No specific hazards under normal use conditions.
Additional Information	:	Under normal conditions of use or in a foreseeable emergency, this product meets the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

4. FIRST AID MEASURES

General Information	:	Keep victim calm. Obtain medical treatment immediately.
Inhalation	:	Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Inhalation of vapours require immediate medical attention.
Skin Contact	:	If persistent irritation occurs, obtain medical attention. Remove contaminated clothing. Immediately flush skin with large amounts of water for at least 15 minutes, and follow by washing with soap and water if available. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.
Eye Contact	:	If persistent irritation occurs, obtain medical attention. Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.
Ingestion	:	If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
Advice to Physician	:	Treat symptomatically. Consult a Poison Control Centre for guidance.

5. FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

Flash point	:	-20 °C / -4 °F (Tag Closed Cup (ASTM D56))

Upper / lower Flammability or Explosion limits	:	2.6 - 12.8 %(V)
Auto ignition temperature	:	465 °C / 869 °F
Specific Hazards	:	Contents are under pressure and can explode when exposed to heat or flames.
Suitable Extinguishing Media	:	Aerosol containers may be cooled by a water fog.

6. ACCIDENTAL RELEASE MEASURES

Protective measures	:	Remove all possible sources of ignition in the surrounding area. No specific measures.
Clean Up Methods	:	Not applicable.
Additional Advice	:	Observe the relevant local and international regulations.

7. HANDLING AND STORAGE

Handling	:	Do not puncture or incinerate. Contents under pressure and can explode when exposed to heat or open flame.
Storage	:	Must be stored in a well-ventilated area, away from sunlight, ignition sources and other sources of heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Material	Source	Type	ppm	mg/m3	Notation
Acetone	ACGIH	TWA	500 ppm		
Acetone	ACGIH	STEL	750 ppm		
Acetone	OSHA Z1	PEL	1,000 ppm	2,400 mg/m3	
Acetone	OSHA Z1A	TWA	750 ppm	1,800 mg/m3	
Acetone	OSHA Z1A	STEL	1,000 ppm	2,400 mg/m3	
Toluene	ACGIH	TWA	20 ppm		
Toluene	OSHA Z1A	TWA	100 ppm	375 mg/m3	
Toluene	OSHA Z1A	STEL	150 ppm	560 mg/m3	
Toluene	OSHA Z2	TWA	200 ppm		
Toluene	OSHA Z2	Ceiling	300 ppm		
Toluene	OSHA Z2	MAX. CONC	500 ppm		
Carbon dioxide	ACGIH	TWA	5,000 ppm		
Carbon dioxide	ACGIH	STEL	30,000 ppm		
Carbon dioxide	OSHA Z1	PEL	5,000 ppm	9,000 mg/m3	
Carbon dioxide	OSHA Z1A	TWA	10,000 ppm	18,000 mg/m3	
Carbon dioxide	OSHA Z1A	STEL	30,000 ppm	54,000 mg/m3	

Additional Information	:	Adequate ventilation to control airborne concentrations below the exposure guidelines/limits. Shell has adopted as Interim Standards the OSHA Z1A values that were established in 1989 and later rescinded.
Exposure Controls	:	Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.
Personal Protective Equipment	:	Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.
Respiratory Protection	:	Check with respiratory protective equipment suppliers.
Hand Protection	:	PVC, neoprene or nitrile rubber gloves.
Eye Protection	:	Chemical splash goggles (chemical monogoggles).
Environmental Exposure Controls	:	Use only in well-ventilated areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Colourless to yellowish. Aerosol. Liquid.
Odour	:	Alcohol-like.
pH	:	Not applicable
Initial Boiling Point and Boiling Range	:	56 °C / 133 °F
Melting / freezing point	:	< 95 °C / 203 °F
Flash point	:	-20 °C / -4 °F (Tag Closed Cup (ASTM D56))
Upper / lower Flammability or Explosion limits	:	2.6 - 12.8 %(V)
Auto-ignition temperature	:	465 °C / 869 °F
Vapour pressure	:	185 hPa at 20 °C / 68 °F
Specific gravity	:	0.798
Density	:	0.797 g/cm3 (ASTM D-4052)
Water solubility	:	Miscible.
n-octanol/water partition coefficient (log Pow)	:	2.65 (based on active matter) 0.2 (based on active matter)
Kinematic viscosity	:	< 1 mm2/s at 40 °C / 104 °F
Volatility	:	100 % vol
Volatile organic carbon content		9.8 % vol
Evaporation rate (nBuAc=1)	:	14.4

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal conditions of use.
Conditions to Avoid	:	Open flame.
Materials to Avoid	:	Not applicable.
Hazardous Decomposition Products	:	None expected under normal use conditions.
Hazardous Polymerisation	:	No
Sensitivity to Mechanical Impact	:	No

11. TOXICOLOGICAL INFORMATION

Basis for Assessment	:	Information given is based on data from components.
Acute Oral Toxicity	:	Expected to be of low toxicity: LD50 >2000 mg/kg , Rat Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Acute Dermal Toxicity	:	Expected to be moderately toxic: LD50 >400- 2000 mg/kg , Rabbit
Acute Inhalation Toxicity	:	Classified as harmful. LC50 >20 mg/l Rat High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.
Skin Irritation	:	Irritating to skin.
Eye Irritation	:	Irritating to eyes.
Respiratory Irritation	:	Expected to be slightly irritating.
Sensitisation	:	Not a skin sensitiser.
Repeated Dose Toxicity	:	High exposures can cause drowsiness and dizziness. Central nervous system: repeated exposure affects the nervous system. Effects were seen at high doses only.
Mutagenicity	:	No evidence of mutagenic activity.
Carcinogenicity	:	Not a carcinogen.

Material	:	**Carcinogenicity Classification**
Acetone	:	ACGIH Group A4: Not classifiable as a human carcinogen.
Toluene	:	ACGIH Group A4: Not classifiable as a human carcinogen.
Toluene	:	IARC 3: Classification not possible from current data.

Reproductive and Developmental Toxicity	:	Not a developmental toxicant.

12. ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product.

Acute Toxicity	:	Data not available
Mobility	:	Disperses in water.
Persistence/degradability	:	Data not available
Bioaccumulation	:	Data not available
Other Adverse Effects	:	Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

13. DISPOSAL CONSIDERATIONS

Material Disposal	:	Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.

Local Legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations.

14. TRANSPORT INFORMATION

US Department of Transportation Classification (49CFR)

Class / Division	Consumer Commodity, ORM-D

IMDG

Identification number	UN 1950
Proper shipping name	AEROSOLS
Class / Division	2.1
Marine pollutant:	No

IATA (Country variations may apply)

Identification number	UN 1950
Proper shipping name	Aerosols, flammable
Class / Division	2.1

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Federal Regulatory Status

Notification Status

EINECS	All components listed or polymer exempt.
TSCA	Not all components listed.
DSL	Not all components listed.

Comprehensive Environmental Release, Compensation & Liability Act (CERCLA)

Gumout Professional Air Intake and Throttle Body Cleaner ()	Reportable quantity: 6017 lbs
Acetone (67-64-1)	Reportable quantity: 5000 lbs
Toluene (108-88-3)	Reportable quantity: 1000 lbs

Clean Water Act (CWA) Section 311

Toluene (108-88-3)	Reportable quantity: 1000 lbs

SARA Hazard Categories (311/312)
Immediate (Acute) Health Hazard. Delayed (Chronic) Health Hazard. Fire Hazard.

SARA Toxic Release Inventory (TRI) (313)

Toluene (108-88-3)	9.80%

State Regulatory Status

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

Known to the State of California to cause birth defects or other reproductive harm.

New Jersey Right-To-Know Chemical List

Acetone (67-64-1)	Listed. Listed.
Toluene (108-88-3)	Listed.
Carbon dioxide (124-38-9)	Listed.

Pennsylvania Right-To-Know Chemical List

Acetone (67-64-1)	Environmental hazard. Listed.
Toluene (108-88-3)	Environmental hazard. Listed.
Carbon dioxide (124-38-9)	Listed.

16. OTHER INFORMATION

NFPA Rating (Health, Fire, Reactivity)	:	2, 3, 0
MSDS Version Number	:	3.0
MSDS Effective Date	:	6/21/2011
MSDS Revisions	:	A vertical bar (|) in the left margin indicates an amendment from the previous version.
MSDS Regulation	:	The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
MSDS Distribution	:	The information in this document should be made available to all who may handle the product.
Disclaimer	:	The information contained herein is based on our current

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