

# SAFETY DATA SHEET

AIR INTAKE CLEANER



## SECTION 1. PRODUCT INFORMATION

**Product Name:** AIR INTAKE CLEANER

## SECTION 2. INGREDIENT INFORMATION

### HAZARDOUS AND/OR REGULATED COMPONENTS

<i>Hazardous Components</i>	<i>CAS #</i>	<i>WEIGHT %</i>	<i>TLV (ppm)<sup>a</sup></i>
Acetone	67-64-1	30-60%	500
Toluene	108-88-3	10-30%	20
Xylene	1330-20-7	10-30%	100
Diacetone alcohol	123-42-4	1-5%	70c
Petroleum lubricants	Proprietary	1-5%	N/Av
Propane/isobutene	74-98-6/75-28-5	1-5%	1000/800b
Carbon dioxide	124-38-9	1-5%	N/Es

Control limits given as TLV in ppm as established by ACGIH, unless otherwise indicated.

REL established by NIOSH

TWA established by ACGIH

## SECTION 3. HAZARDS IDENTIFICATION

**WHMIS Classification:** A, B5, D2B

**HMIS rating:** Health=2

Flammability=4

Reactivity=0

Personal Protection=B

**NFPA rating:** Health=2

Flammability=4

Reactivity=0

TDG Classification: AEROSOLS, Class 2.1, UN1950

**Under the Clear Language Regulations:** refer to Section 1.17 for Limited Quantity Shipping Information, if shipping under this Exemption.

### POTENTIAL HEALTH EFFECTS

**ROUTE OF ENTRY:** Skin Contact: Yes  
Skin Absorption: Yes  
Eye Contact: Yes  
Inhalation: Yes  
Ingestion: Unlikely

#### **EFFECTS OF ACUTE EXPOSURE:**

This product is harmful if inhaled or swallowed. Contact with skin and eyes may cause mild to moderate irritation and frostbite. Symptoms may include redness, pain, numbness, prickling and itching. Ingestion is not a likely route of exposure. If ingested, however, this product may be absorbed and result in CNS depression. Inhalation of vapors causes irritation to the nose, throat and respiratory tract, with coughing, wheezing, dizziness, headache, drowsiness, nausea and vomiting. Inhalation of higher concentrations may result in central nervous system depression and unconsciousness. High vapor concentrations reduce oxygen available for breathing, resulting in asphyxiation.

#### **EFFECTS OF CHRONIC EXPOSURE:**

May cause skin defatting and dermatitis. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

#### **CARCINOGENICITY:**

No information is available.

#### **REPRODUCTIVE EFFECTS:**

No information is available and no adverse reproductive effects are anticipated.

#### **TERATOGENICITY:**

No information is available and no adverse teratogenic effects are anticipated.

#### **MUTAGENICITY:**

No information is available and no adverse mutagenic effects are anticipated.

#### **SENSITIZATION:**

Not known to be a sensitizer.

#### **SYNERGISTIC PRODUCTS:**

May increase the effects of exposure to other organic solvents.

### **SECTION 4. FIRST AID MEASURES**

**EYES:** Flush with lukewarm running water for a minimum of 15 minutes. Obtain medical attention.

**DERMAL:** Wash thoroughly with soap and lukewarm water. Obtain medical attention.

**INHALATION:** Remove victim to fresh air. Obtain medical attention.

**INGESTION:** Do Not induce vomiting. Get medical attention IMMEDIATELY.

### **SECTION 5. FIRE FIGHTING MEASURES**

#### **FLAMMABLE PROPERTIES:**

Extremely flammable. Closed containers are contained under pressure and may explode if exposed to excess heat for a prolonged period of time. Vapors are heavier than air and collect in low-lying areas. Vapors can travel to a source of ignition and flash back causing an explosion and fire.

**CONDITIONS OF FLAMMABILITY:** Ignition sources, excessive heat, open flame, sparks and electrostatic charge.

**Flash Point (TCC deg. C) (CONCENTRATE):** >-20

**Aerosol Flame Projection Classified as:** >45 but <100 cm

**Flashback:** Yes

**Autoignition Temperature (deg. C):** 432

**Flammability Limits in Air (% by volume):** LEL: 1.8

**UEL:** 8.4

**Hazardous Combustion Products:** Oxides of carbon. Emits fumes and smoke.

**Rate of Burning:** Not available

**Explosive Power:** Not available

**Sensitivity to Mechanical Impact:** Not expected to be sensitive to mechanical impact.

**Sensitivity to Static Discharge:** Not available. Expected to be sensitive to static discharge when vapors in air are between the lower and upper explosive limits (i.e. 1.8-8.4%).

**EXTINGUISHING MEDIA:** Carbon Dioxide, dry chemicals, foam, water fog.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved self-contained breathing apparatus or equivalent and full protective gear. Move containers from fire area if it can be done without risk. In case of large fire cool containers with water jet in order to prevent pressure build up, autoignition or explosion. Shield personnel to protect from venting, rupturing or bursting cans.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **SAFEGUARDS (PERSONNEL):**

Wear appropriate personal protective equipment. Eliminate all sources of ignition in the vicinity of the spill. All equipment used when handling this material must be grounded.

### **LEAK/SPILL CLEAN-UP PROCEDURE:**

Contain spilled material. Prevent spilled product from entering stream or drinking water supply. Restrict access to area until completion of clean-up. All persons dealing with clean-up should wear appropriate protective equipment. Eliminate all sources of ignition. Provide adequate ventilation; ventilate enclosed spaces. Do not use combustible materials such as sawdust as an absorbent. Use spark-resistant tools. Collect product for disposal. Notify applicable government authority if release is reportable or could adversely affect the environment.

### **CONTAINER DISPOSAL:**

Don't puncture or incinerate containers, even when empty. Dispose in accordance with local, provincial and federal regulations.

## **SECTION 7. HANDLING AND STORAGE**

### **HANDLING (PERSONNEL):**

Do not get into eyes, on skin or clothing. Avoid breathing vapors. Wear appropriate protective equipment. Use with adequate ventilation. Use non-sparking tools. Ground all equipment during handling. Avoid all sources of ignition, heat, flames and direct sunlight. Do not smoke while handling this product. Keep containers closed when not in use. Do not cut, puncture or incinerate containers. Keep work area clean.

### **STORAGE REQUIREMENTS:**

Store in a cool, dry, well ventilated place away from incompatibles and flammable materials.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **ENGINEERING CONTROLS/VENTILATION:**

Exhaust ventilation is recommended if used indoors on continuous basis. Local exhaust ventilation required, to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.

#### **EYE/FACE PROTECTION REQUIREMENTS:**

Use chemical safety goggles or full face shield when there is potential for eye contact.

#### **SKIN PROTECTION:**

Advice should be sought from glove suppliers. It is recommended that clothing made from natural fibers be selected in favor of synthetic fibers. Synthetic fibers are known to generate static.

#### **RESPIRATORY PROTECTION REQUIREMENTS:**

Not required on a short term basis or if exhaust ventilation is provided. However, if exposure exceeds occupational limits, wear a NIOSH/MSHA-approved air-purifying respirator equipped with organic vapor cartridges for mists and vapors. Advice should be sought from respiratory protection specialists.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Odor Threshold .....</b>	Not available
<b>Boiling Point Start (liquid).....</b>	60°C (approx)
<b>Melting Point (liquid).....</b>	N/Av
<b>VOC Content .....</b>	370 g/l (3.1 lbs/gal)
<b>%wt. VOC Content.....</b>	45
<b>Specific Gravity (Liquid).....</b>	0.802 @ 21°C
<b>Specific Gravity (Aerosol).....</b>	0.750 @ 21°C
<b>Vapor Density (Air=1).....</b>	>1
<b>Evaporation Rate (BA=1).....</b>	>1
<b>Vapor Pressure (psig).....</b>	65-75 @ 21°C
<b>pH.....</b>	Not Applicable
<b>Solubility in Water.....</b>	Insoluble in water

### **SECTION 10. STABILITY AND REACTIVITY**

#### **CONDITIONS OF REACTIVITY:**

Avoid sources of heat and flame, and electrostatic charge. High temperatures may cause thermal decomposition.

**CONDITIONS TO AVOID:** Avoid contact with strong oxidizers.

**HAZARDOUS POLYMERIZATION:** Will not occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Fumes and smoke; oxides of carbon.

### **SECTION 11. TOXICOLOGICAL INFORMATION**

Not Available

### **SECTION 12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL EFFECTS:** Not Available

**IMPORTANT ENVIRONMENTAL CHARACTERISTICS:** Not Available

**AQUATIC TOXICITY:** Not Available

## SECTION 13. DISPOSAL INFORMATION

### WASTE DISPOSAL:

Don't puncture or incinerate containers, even when empty. Avoid washing material into sewer systems. Treat or dispose of waste material in accordance with all local, state/provincial and federal regulations.

## SECTION 14. TRANSPORTATION INFORMATION

### Transportation of Dangerous Goods Information for TDG, DOT (49 CFR), by Ship

#### (IMDG Code):

PRODUCT LABEL .....: Gulf Select Air Intake Cleaner

PROPER SHIPPING NAME.....: Aerosols

D.O.T. HAZARD CLASS.....: 2.1

UN NUMBER .....: UN 1950

LTD QTY, ROM-D 114 GM (114 gram per can)

### Transportation of Dangerous Goods by air (ICAO/IATA):

PROPER SHIPPING NAME.....: Aerosols, Flammable

D.O.T. HAZARD CLASS.....: 2.1

UN NUMBER .....: UN 1950

## SECTION 15. REGULATORY INFORMATION

**WHMIS Classification:** A, B5, D2B

**HMIS rating:** Health=2, **NFPA rating:** Health=2

Flammability=4, Flammability=4

Reactivity=0 Reactivity=0

Personal protection=B

\*\*\*\*\*End of MSDS\*\*\*\*\*

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