



## Gulf Select Air Intake Cleaner (Aerosol)

SDS Number: GS256

### 1 PRODUCT AND COMPANY INFORMATION

**Product Name:** Gulf Select Air Intake Cleaner (Aerosol)  
**Revision Date:** 12/18/2015  
**SDS Number:** GS256  
**Common Name:** Organic solvent cleaning spray  
**CAS Number:** Blend  
**Product Code:** GS256  
**Synonyms:** Solvent based systems cleaner

#### Company Identification:

*Supplier:*

NU-TIER BRANDS, INC.  
8282 S. Memorial Drive, Suite 302  
Tulsa, OK 74133  
[www.gulflubricants.net](http://www.gulflubricants.net)

*Under license from Gulf Oil LP*

For Product Information: 1-800-566-4853  
For Emergencies: 1-800-424-9300 (CHEMTREC)

### 2 HAZARDS IDENTIFICATION



Signal Word:

**DANGER**

Hazard Classes/Categories:

Aerosols, Category 1.  
Gas under pressure, Liquefied gas.  
Skin irritant, Category 2.  
Serious eye irritation, Category 2A.



SDS Number: GS256

Reproductive toxicity, Category 2.  
Specific target organ toxicity – single exposure, Category 3.  
Specific target organ toxicity – repeated exposure, Category 2.  
Aspiration hazard, Category 1.

Hazard Statement(s):

H222: Extremely flammable aerosol.  
H280: Contains gas under pressure; may explode if heated.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H361: Suspected of damaging fertility or the unborn child.  
H336: May cause drowsiness or dizziness.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H304: May be fatal if swallowed and enters airways.

Precaution Statement(s):

P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P103: Read label before use.  
P201: Obtain special instructions before use.  
P260: Do not breathe dust/fumes/gas/mist/vapors/spray.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P251: Do not pierce or burn, even after use.  
P264: Wash thoroughly after handling.  
P211: Do not spray on an open flame or other ignition source.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
P362+364: Take off contaminated clothing and wash it before reuse.  
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312: Call a POISON CENTER/ doctor if you feel unwell.  
P405: Store locked up.  
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501: Dispose of contents/container in accordance with local/regional/national/international regulation.



### Gulf Select Air Intake Cleaner (Aerosol)

SDS Number: GS256

Other Hazard Statement(s):

-NFPA Ratings:

Health = 2

Fire = 4

Reactivity = 3

### 3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:

*Mixture of the substances listed below with nonhazardous additions.*

Chemical Name	CAS Number	Percentage
Acetone	67-64-1	25-50
Toluene	108-88-3	20-<25
Xylene	1330-20-7	20-<25
4-hydroxy-4-methylpentan-2-one	123-42-2	1-2.5
Propane	74-98-6	1-2.5
Isobutene	75-28-5	1-2.5
Carbon Dioxide	124-38-9	1-2.5

*\*Any concentration shown as a range is to protect confidentiality or is due to batch variation.*

### 4 FIRST AID MEASURES

Description of First Aid Measures:

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim has difficulty breathing or is unresponsive, give oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

Skin Contact:

Flush skin with water, wash with soap and water. Remove contaminated clothing. Do not reuse clothing until cleaned. Get medical attention if skin irritation occurs or if otherwise needed.



### Gulf Select Air Intake Cleaner (Aerosol)

SDS Number: GS256

**Eye Contact:**

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.

**Ingestion:**

DO NOT induce vomiting. Obtain medical attention.

Symptoms and Effects, both acute and delayed:

-Most important symptoms and effects, both acute and delayed:

Headache

Dizziness

Frost bites

Coughing

Nausea

Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. Harmful if swallowed. May be fatal if swallowed and enters airways. Swallowing a small quantity of this material will result in serious health hazard.

Cause nose, throat, and lung irritation.

Skin irritant

-Indication of any immediate medical attention and special treatment needed:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Recommended Actions:

Treat symptomatically. Call a doctor or poison control center for guidance.



SDS Number: GS256

#### 5 FIRE FIGHTING MEASURES

Recommended Fire-Extinguishing Equipment:

Use dry powder, foam, or carbon dioxide fire extinguishers. Do not use water.

Possible Hazards During a Fire:

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

Recommendations to Firefighters:

Proper protective equipment including breathing apparatus.

#### 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid breathing vapors.  
Personal protective equipment must be worn.  
Avoid contact with skin, eyes or clothing.  
Remove persons from danger area.

Emergency Procedures:

Contain spilled material, collect in suitable and properly labeled containers.

Environmental Precautions:

Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.

Cleanup Procedures:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.



SDS Number: GS256

#### 7 HANDLING AND STORAGE

##### Handling Precautions:

Keep receptacles tightly sealed.  
Open and handle receptacle with care.  
Use only in well ventilated areas.  
Avoid contact with the eyes and skin.  
Avoid contact with clothing.  
Avoid splashes or spray in enclosed areas.  
Do not spray on a naked flame or any incandescent material.

##### Storage Requirements:

Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

#### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

##### Exposure Limits:

-67-64-1 acetone (25-50%)

PEL TWA: 2400 mg/m<sup>3</sup>, 1000 ppm

REL TWA: 590 mg/m<sup>3</sup>, 250 ppm

TLV STEL: (1782) NIC-1187 mg/m<sup>3</sup>, (750) NIC-500 ppm

TWA: (1188) NIC-594 mg/m<sup>3</sup>, (500) NIC-250 ppm

-108-88-3 toluene (20-<25%)

PEL TWA: 200 ppm

CEV: 300; 500\* ppm

\*10-min peak per 8-hr shift

REL STEL: 560 mg/m<sup>3</sup>, 150 ppm

TWA: 375 mg/m<sup>3</sup>, 100 ppm

TLV TWA: 75 mg/m<sup>3</sup>, 20 ppm



SDS Number: GS256

-1330-20-7 xylene (20-<25%)

PEL TWA: 435 mg/m<sup>3</sup>, 100 ppm  
REL STEL: 655 mg/m<sup>3</sup>, 150 ppm  
TWA: 435 mg/m<sup>3</sup>, 100 ppm  
TLV STEL: 651 mg/m<sup>3</sup>, 150 ppm  
TWA: 434 mg/m<sup>3</sup>, 100 ppm

-123-42-2 4-hydroxy-4-methylpentan-2-one (1- $\approx$ 2.5%)

PEL TWA: 240 mg/m<sup>3</sup>, 50 ppm  
REL TWA: 240 mg/m<sup>3</sup>, 50 ppm  
TLV TWA: 238 mg/m<sup>3</sup>, 50 ppm

-74-98-6 propane (1- $\approx$ 2.5%)

PEL TWA: 1800 mg/m<sup>3</sup>, 1000 ppm  
REL TWA: 1800 mg/m<sup>3</sup>, 1000 ppm

-75-28-5 isobutane (1- $\approx$ 2.5%)

-TLV STEL: 2370 mg/m<sup>3</sup>, 1000 ppm

-124-38-9 carbon dioxide (1- $\approx$ 2.5%)

PEL TWA: 9000 mg/m<sup>3</sup>, 5000 ppm  
REL STEL: 54.000 mg/m<sup>3</sup>, 30.000 ppm  
TWA: 9000 mg/m<sup>3</sup>, 5000 ppm  
TLV STEL: 54.000 mg/m<sup>3</sup>, 30.000 ppm  
TWA: 9000 mg/m<sup>3</sup>, 5000 ppm

• Ingredients with biological limit values:

-67-64-1 acetone (25-50%)

BEI 50 mg/L  
Medium: urine  
Time: end of shift  
Parameter: Acetone (nonspecific)



SDS Number: GS256

-108-88-3 toluene (20-<25%)

BEI 0.02 mg/L

Medium: blood

Time: prior to last shift of workweek

Parameter: Toluene

0.03 mg/L

Medium: urine

Time: end of shift

Parameter: Toluene

0.3 mg/g creatinine

Medium: urine

Time: end of shift

Parameter: o-Cresol with hydrolysis (background)

-1330-20-7 xylene (20-<25%)

BEI 1.5 g/g creatinine

Medium: urine

Time: end of shift

Parameter: Methylhippuric acids

#### Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

#### Personal Protective Equipment:

-General protective and hygienic measures:  
Wash hands before breaks and at the end of work.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes and skin. Wear gloves and goggles.

-Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.





SDS Number: GS256

#### 9 PHYSICAL AND CHEMICAL PROPERTIES

Color:	Colorless
Physical State:	Aerosol
Odor:	Hydrocarbon
Odor Threshold:	Data not available
pH:	Data not available
Melting Point:	Data not available
Boiling Point:	55° C / 131° F
Boiling Range:	Data not available
Flash Point:	-17° C / 1° F
Evaporation Rate:	Data not available
Flammability:	Data not available
Flammability Limits:	Data not available
Vapor Pressure:	175 mmHg at 20° C
Vapor Density:	Data not available
Relative Density:	0.802 g/cm <sup>3</sup> (6.693 lbs/gal)
Solubilities:	Insoluble in water
Partition Coefficient:	Data not available
Auto-Ignition Temperature:	Data not available
Decomposition Temperature:	Data not available
Viscosity:	Data not available

#### 10 STABILITY AND REACTIVITY

<u>Stability:</u>	Stable under normal conditions.
<u>Reactivity:</u>	Not reactive under normal conditions.
<u>Conditions to Avoid:</u>	Extreme temperature, sparks, open flame, and direct sunlight.
<u>Hazardous Reactions:</u>	Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.
<u>Incompatible Materials:</u>	No further relevant information available.



### Gulf Select Air Intake Cleaner (Aerosol)

SDS Number: GS256

Decomposition Products:

Oxides of carbon.

#### 11 TOXICOLOGICAL INFORMATION

Routes of Exposure:

Inhalation, skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.

Exposure Effects:

- On the skin: Irritant to skin and mucous membranes.
- On the eye: Irritating effect.
- Inhalation:  
Do not inhale , can cause respiratory system irritation.  
Asphyxiation
- Ingestion: Result in central nervous system depression

Measures of Toxicity:

-Air Intake Cleaner

Oral LD50 10780 mg/kg (rat) (ATE)  
Dermal LD50 10000 mg/kg (rabbit) (ATE)

-67-64-1 acetone

Oral LD50 5800 mg/kg (rat)  
Dermal LD50 20000 mg/kg (rabbit)

-108-88-3 toluene

Oral LD50 5000 mg/kg (rat)  
Dermal LD50 12124 mg/kg (rabbit)  
Inhalative LC50/4 h 5320 mg/l (mouse)



### Gulf Select Air Intake Cleaner (Aerosol)

SDS Number: GS256

-1330-20-7 xylene

Oral LD50 4300 mg/kg (rat)

Dermal LD50 2000 mg/kg (rabbit)

Inhalative LC50/4 h 6700 mg/l (rat)

-123-42-2 4-hydroxy-4-methylpentan-2-one

Oral LD50 4000 mg/kg (rat)

Dermal LD50 13630 mg/kg (rab)

#### Carcinogenic/Mutagenic Precautions:

Toluene: Carcinogenic category 3 (IARC).

Xylene: Carcinogenic category 3 (IARC).

## 12 ECOLOGICAL INFORMATION

#### Ecological Precautions:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

#### Ecological Effects:

No specific environmental or aquatic data available.

## 13 DISPOSAL CONSIDERATIONS

#### Disposal Methods:

Dispose of waste material in accordance with all local, state, and federal requirements.

#### Disposal Containers:

Use properly approved container for disposal.

#### Special Precautions:

Do not dispose of with household garbage.

Do not flush to surface waters or drains.



### Gulf Select Air Intake Cleaner (Aerosol)

SDS Number: GS256

#### 14 TRANSPORT INFORMATION

UN Number: UN1950  
UN Shipping Name: Aerosols, flammable  
Transport Hazard Class: 2.1  
Packing Group: Not Regulated

Environmental Hazards: None

Bulk Transport Guidance: Data not available

Special Precautions: DOT quantity limitations of 75kg on passenger aircraft or rail, and 150kg on cargo aircraft.

#### 15 REGULATORY INFORMATION

This material and all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substances Control Act.

#### 16 OTHER INFORMATION

Last Revision Date: 12/18/2015

*The information contained in this Safety Data Sheet (SDS) relates only to the specific material designated. The supplier assumes no legal responsibility of the use or reliance upon this data. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of the supplier.*