



## Gulf Select Complete Induction Combustion Chamber Cleaner

SDS Number: GS252

### 1 PRODUCT AND COMPANY INFORMATION

Product Name: Gulf Select Complete Induction Combustion Chamber Cleaner  
Revision Date: 12/28/2015  
SDS Number: GS252  
Common Name: Intake and combustion chamber cleaner  
CAS Number: Blend  
Product Code: GS252  
Synonyms: N/A

#### 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:

Flammable liquid, Category 3.  
Acute toxicity, Inhalation category 4.  
Germ cell mutagen, Category 1B.  
Carcinogen, Category 1B.



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Specific target organ toxicity – repeated exposure, Category 1.  
Aspiration hazard, Category 1.

Hazard Statement(s):

H226: Flammable liquid and vapor.  
H332: Harmful if inhaled.  
H340: May cause genetic defects.  
H350: May cause cancer.  
H372 Causes damage to the central nervous system 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.  
P264: Wash thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P233: Keep container tightly closed.  
P242: Use only non-sparking tools.  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312: Call a POISON CENTER/ doctor if you feel unwell.  
P308+311: IF exposed or concerned: Call a POISON CENTER/ doctor.  
P405: Store locked up.  
P403+235: Store in a well ventilated place. Keep cool.  
P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

Other Hazard Statement(s):

-NFPA Ratings:  
Health = 0  
Fire = 2  
Reactivity = 0



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### 3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:

Mixture of the substances listed below with nonhazardous additions.

Chemical Name	CAS Number	Percentage
Solvent naphtha (petroleum), medium aliph.	64742-88-7	50-100
Solvent naphtha (petroleum), light arom.	64742-95-6	2.5-<10
1,2,4-trimethylbenzene	95-63-6	1-<2.5
Xylene	1330-20-7	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:

Supply fresh air; consult doctor in case of complaints.

Skin Contact:

Immediately rinse with water. Immediately remove all contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

Eye Contact:

Rinse cautiously with water. Remove contact lenses, if present and easy to do. Get medical attention if eye irritation develops or persists.

Ingestion:

If symptoms persist consult doctor.

Symptoms and Effects, both acute and delayed:

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

May cause eye irritation. Symptoms may include discomfort or pain, excessive blinking and tear production, with possible redness and swelling.

Breathing difficulty

Coughing



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Harmful if swallowed. May be fatal if swallowed and enters airways. Swallowing a small quantity of this material will result in serious health hazard. May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. Repeated exposure to this material can result in absorption through skin causing significant health hazard.

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

Medical supervision for at least 48 hours.

#### Recommended Actions:

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

#### **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:

Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots. Do not use a water jet.



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#### 6 ACCIDENTAL RELEASE MEASURES

##### Personal Precautions:

Avoid eye contact. Avoid repeated or prolonged skin contact.

Personal protective equipment must be worn. Avoid contact with skin, eyes or clothing. Keep unprotected persons away.

##### 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. Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

##### Cleanup Procedures:

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

#### 7 HANDLING AND STORAGE

##### Handling Precautions:

- Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

- Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.



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#### Storage Requirements:

Keep receptacle tightly sealed.  
Store in cool, dry, dark place, away from direct sunlight.

#### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Limits:

-95-63-6 1,2,4-trimethylbenzene (1-2.5%):

REL TWA: 125 mg/m<sup>3</sup>, 25 ppm

TLV TWA: 123 mg/m<sup>3</sup>, 25 ppm

-1330-20-7 Xylene (1-2.5%):

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

BEI

- Ingredients with biological limit values:

-1330-20-7 Xylene (1-2.5%):

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). Have an eye wash station and safety shower near by.

#### Personal Protective Equipment:

- General protective and hygienic measures:  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Store protective clothing separately.



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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.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Color:	Amber
Physical State:	Liquid
Odor:	Petroleum
Odor Threshold:	Data not available
pH:	Data not available
Melting Point:	Data not available
Boiling Point:	153° C
Boiling Range:	Data not available
Flash Point:	40° C
Evaporation Rate:	Data not available
Flammability:	Data not available
Flammability Limits:	Data not available
Vapor Pressure:	6.6 hPa at 20° C
Vapor Density:	Data not available
Relative Density:	Data not available
Solubilities:	Not miscible or difficult to mix
Partition Coefficient:	Data not available
Auto-Ignition Temperature:	Data not available
Decomposition Temperature:	Data not available
Viscosity:	Data not available

### 10 STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Reactivity: Not reactive under normal conditions.



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Conditions to Avoid:

Extreme temperature, sparks, open flame, and direct sunlight.

Hazardous Reactions:

No known hazardous reactions.

Incompatible Materials:

Strong oxidizers.

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: May cause mild skin irritation. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis.
- On the eye: May cause eye irritation.
- Inhalation: May cause respiratory tract irritation. Serious effects may be delayed after exposure.
- Ingestion: May be fatal if swallowed and enter airways.

Measures of Toxicity:

-ATE (Acute Toxicity Estimates):

Oral LD50: 158088 mg/kg (rat)  
Dermal LD50: 3300 mg/kg  
Inhalative LC50/4 h: 15 mg/l (rat)

-6 4742-88-7 Solvent naphtha (petroleum), medium aliph.:

Oral LD50: >6500 mg/kg (rat)  
Dermal LD50: >3000 mg/kg (rabbit)  
Inhalative LC50/4 h: >14 mg/l (rat)





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-64742-95-6 Solvent naphtha (petroleum), light arom.:

Oral LD50: >6800 mg/kg (rat)  
Dermal LD50: >3400 mg/kg (rabbit)  
Inhalative LC50/4 h: >10.2 mg/l (rat)

-95-63-6 1,2,4-trimethylbenzene:

Oral LD50: 5000 mg/kg (rat)  
Inhalative LC50/4 h: 18 mg/l (rat)

-1330-20-7 Xylene:

Oral LD50: 4300 mg/kg (rat)  
Dermal LD50: 2000 mg/kg (rabbit)  
Inhalative LC50/4 h: 6700 mg/l (rat)

#### Carcinogenic/Mutagenic Precautions:

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:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.



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Disposal Containers:

Use properly approved container for disposal.

Special Precautions:

Do not flush to surface waters or drains.

### 14 TRANSPORT INFORMATION

UN Number: UN1993  
UN Shipping Name: Flammable liquids, n.o.s. (Turpentine substitute, Solvent naphtha (petroleum), light arom.)  
Transport Hazard Class: 3  
Packing Group: III

Environmental Hazards:

None

Bulk Transport Guidance:

Data not available

Special Precautions:

DOT quantity limitations of 60 L on passenger aircraft or rail, and 220 L 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: 12/28/2015

*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.*