



MATERIAL SAFETY DATA SHEET

SECTION:1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: Octane Booster

Company: SAMER AL GADDAH INTERNATIONAL GENERAL TRADING CO. LLC

SECTION2 INFORMATION ON INGREDIENTS

Substance name	Concentration%	Product identifier
Toluene	5-20	(CAS-No.) 108-88-3
Methanol	70-90	(CAS-No.) 67-56-1
Polyetheramine	2-20	(CAS-NO.) 9046-10-0, 39423-51-3

SECTION:3 HAZARDS IDENTIFICATION

Hazards Identification: Liquid, flammable.

Emergency Overview:

Maybe Irritate to eyes.

SECTION:4 FIRST-AID MEASURES

Skin Exposure: In case of contact, immediately wash skin with soap and copious amounts of water .If irritation persists, call a physician.

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes .Assure adequate flushing by separating the eyelids with fingers .Call a physician.

Inhalation Exposure: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Oral Exposure: If swallowed, wash out mouth with water provided person is conscious. Call a physician.



SECTION 5 FIRE FIGHTING MEASURES

Flammable Hazards: Contains flammable component.

Explosion Hazards:

Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions.

Extinguishing Media:

Suitable: Carbon dioxide. Dry chemical powder.

Use water spray or fog nozzle to keep cylinder cool. Move cylinder away from fire if there is no risk.

Firefighting:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s): Vapor may travel considerable distance to source of ignition and flash back. Emits toxic fumes under fire conditions.

Specific Method(s) of Fire Fighting: Do not extinguish burning gas if flow cannot be shut off immediately. Use water spray or fog nozzle to keep cylinder cool. Move cylinder away from fire if there is no risk.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Procedure to be Followed in case of Leak or Spill :

Evacuate area and keep personnel upwind. Shut off all sources of ignition. Shut off leak if there is no risk.

Procedure(s) of Personal Precaution(s):

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

Methods for Cleaning up:

Ventilate area and wash spill site after material pickup is complete.

SECTION 7 HANDLING AND STORAGE

Handling:

User Exposure: Avoid breathe vapor. Avoid get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

Storage:

Suitable: keep tightly closed. Keep away from heat, sparks, and open flame. Use with equipment rated for cylinder pressure, and of compatible materials of construction.

Unsuitable: Store away from heat and direct sunlight.

SECTION 8 EXPOSURE CONTROL/PPE

Engineering Controls: Use ventilation equipment if available. Safety shower and eye bath.

Personal Protective Equipment:

Respiratory: Government approved respirator if needed.

Eye: Chemical safety goggles.

Clothing: Wear appropriate protective clothing.



Hand: Compatible chemical-resistant gloves.

Other Protect: No smoking, drinking and eating at working site. Wash thoroughly after handling. Wash contaminated clothing before reuse.

SECTION9 PHYSICAL/CHEMICAL PROPERTIES

Appearance and properties: Yellow / red transparent liquid

Odor: irritating odor

PH value: /

Melting point / freezing point: / -97.8°C

Boiling point (initial boiling point) (°C): >35 Flash point (°C): 12 (closed cup)

Explosion limit% (V / V):

Upper limit:% (V / V): 44

Lower limit:% (V / V): 5.5

Vapor pressure (kPa): 12.3/20°C

Relative water density (g / cm3): 0.795 Relative vapor density (kg / m3): 1.1

Solubility: Some soluble in water, soluble in esters, ketones, benzene and most other organic solvents

Octanol / water partition coefficient: unknown

Burning point (°C): 24

SECTION10 STABILITY AND REACTIVITY

Stability: Stable under normal temperature and pressures.

Materials to Avoid: Oxygen, halogen, and oxidizing agents.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Carbon oxides (CO, CO2). Other toxic gases.

SECTION11 TOXICOLOGICAL INFORMATION

Toxicity Data: Not data available.

Route of Exposure:

Eye Contact: Causes eye irritation.

Ingestion: May be harmful if swallowed.

SECTION12 ECOLOGICAL INFORMATION

Ecotoxicity: Not data available.

Biodegradability:

Released into the soil, it is expected to enter the groundwater or biodecomposition, or it will evaporate and release into the water. It is expected that it will undergo biodegradation.

Non biodegradability:

The half-life of the oxygen free radical is about 2-3 days released into the atmosphere.

Bioaccumulation or bioaccumulation:

It may not accumulate in the body and will be decomposed in the body.



SECTION13 DISPOSAL CONSIDERATIONS

Appropriate Method of Disposal of Substance:

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

SECTION14 TRANSPORT INFORMATION

The Recommendation of Transport of Dangerous Goods(TDG)

Proper Shipping Name: Flammable liquids
UN Number: 1950
Class: 3.2

IATA

Proper Shipping Name: Flammable liquids
IATA UN Number: 1950
Class: 3.2
Hazard Label(s): Flammable liquids

IMDG Code

Proper Shipping Name: Flammable liquids (maximum 1L)
Class: 3.2
UN Number: 1950

SECTION15 REGULATORY INFORMATION

Regulatory Information: Regulations on the Administration of the Safety of Chemical Dangerous Goods (promulgated by the State Council on February 17, 1987), the Implementing Regulations of the Regulations on the Administration of Chemical Dangerous Goods Safety (Huulao [1992] No. 677), the Regulations on the Safety of Chemical Substances in the Workplace ([1996] Labor Ministry issued 423) and other laws and regulations, for the safe use of chemical dangerous goods, production, storage, transportation, loading and unloading and so made the corresponding provisions.

EU Additional Classification:

S 9

Safety Statements: Keep container in a well-ventilated place.

SECTION16 OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.



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