

**SASOLAB® 240 Alkylate****SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

<b>Trade name</b>	SASOLAB® 240 Alkylate	
<b>Synonyms</b>	Linear Alkylbenzene	
<b>Use</b>	Raw material for chemical processes	
<b>Company</b>	Sasol Chemicals (USA) LLC (an affiliate of Sasol Chemicals North America LLC)	
<b>Address</b>	12120 Wickchester Lane Houston TX 77079	
<b>Telephone</b>	CHEMTREC North America Transportation Emergency (24-hr)	(800) 424-9300
	CHEMTREC World Wide	(703) 527-3887
	Other Emergencies (24-hr)	(337) 494-5142
	MSDS and Product Information (8:00am-4:30pm CST)	(281) 588-3491
	Health and Safety Information (7:30am-4:00pm CST)	(281) 588-3492
<b>E-mail address</b>	SasolElectronicSDS@us.sasol.com	

**SECTION 2 HAZARDS IDENTIFICATION****GHS Hazards**

Aspiration hazard Category 1

**LABEL ELEMENTS****Hazard symbols****Signal word** Danger**Hazard statements** H304 May be fatal if swallowed and enters airways.**Precautionary statements****Response** P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P331 Do NOT induce vomiting.**Storage** P405 Store locked up.**Disposal** P501 Dispose of contents/ container to an approved waste disposal plant.

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### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS-No.</u>	<u>Weight percent</u>
Benzene, mono-C10-14-alkyl derivs.	68442-69-3	100

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

### SECTION 4 FIRST AID MEASURES

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Inhalation** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.

**Ingestion** If swallowed, call a poison control centre or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

### SECTION 5 FIREFIGHTING MEASURES

#### FLAMMABLE PROPERTIES

**Fire/explosion** May be ignited by open flame. NFPA Class IIIB combustible liquid.

**Suitable extinguishing media** Water spray or fog, foam, dry chemical, CO<sub>2</sub>

**Protective equipment and precautions for firefighters** Wear self-contained breathing apparatus and protective suit. Keep containers and surroundings cool with water spray.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

**Methods and materials for containment and cleaning up** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### SECTION 7 HANDLING AND STORAGE

**Safe handling advice** Ensure all equipment is electrically grounded before beginning transfer operations.

**Storage/Transport pressure** Ambient

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**Load/Unload temperature** Ambient

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**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING MEASURES**

Ensure adequate ventilation, especially in confined areas.

**PERSONAL PROTECTIVE EQUIPMENT**

**Eyes** Wear as appropriate: Goggles, Face-shield

**Skin** Wear suitable protective clothing, gloves and eye/face protection.

**Inhalation** Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

**EXPOSURE GUIDELINES**

Contains no substances with occupational exposure limit values.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance** liquid;

**Colour** colourless oily

**Form** liquid

**Odour** odourless

**Odour Threshold** no data available

**Flash point** approximately 143 °C, 290 °F; PM;

**Flammability** Upper explosion limit: no data available

Lower explosion limit: no data available

**Boiling point/boiling range** 283 - 303 °C, 541 - 577 °F;

**Melting point/range** pour point: -65 °C, -85 °F;

**Auto-ignition temperature** approximately 238 °C, 460 °F;

**Decomposition temperature** no data available

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<b>Flammability (solid, gas)</b>	no data available
<b>Vapour pressure</b>	1.0 mm Hg @ 21 °C, 70 °F;
<b>Vapour density</b>	8 - 9
<b>Density</b>	0.860 g/cm <sup>3</sup> @ 16 °C, 60 °F;
<b>Specific gravity</b>	no data available
<b>Water solubility</b>	0.41 g/l
<b>Viscosity</b>	4.2 cSt @ 40 °C, 104 °F;
<b>pH</b>	no data available
<b>Evaporation rate</b>	no data available
<b>Partition coefficient: n-octanol/water</b>	no data available

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**SECTION 10 STABILITY AND REACTIVITY**

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<b>Reactivity</b>	Stable at normal ambient temperature and pressure.
<b>Chemical stability</b>	No decomposition if stored and applied as directed.
<b>Conditions to avoid</b>	Stable under recommended storage conditions.
<b>Hazardous decomposition products</b>	None.
<b>Materials to avoid</b>	Oxidizing agents
<b>Hazardous polymerisation</b>	None.

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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<b>Additional Remarks</b>	Information given is based on data obtained from similar substances. The following effects have been reported in studies with animals exposed by a variety of routes to similar linear alkylbenzenes on a repeated basis: Decreased body weight, food consumption and maternal weight gain; effects on offspring (none at low dose); liver toxicity; increased tumors following lifetime dermal exposure at skin damaging concentrations (skin damage confounds the interpretation of the significance of these effects for human health).
<b>Acute dermal toxicity</b>	LD50 rabbit: > 2,000 mg/kg

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<b>Acute inhalation toxicity</b>	rat (1 hours): > 71 mg/l All rats survived at indicated concentration.
<b>Acute oral toxicity</b>	LD50 rat: > 5,000 mg/kg
<b>Skin corrosion/irritation</b>	Primary irritation (rabbit): 0.7 - 4.5 (Max. score is 8.0.)
<b>Eye damage/irritation</b>	Primary irritation (rabbit): 0 - 0.7 (Max. score is 110.) (unwashed eyes)
<b>Respiratory or skin sensitization</b>	no data available
<b>Germ cell mutagenicity</b>	<b>Genotoxicity in vitro:</b> no data available  <b>Genotoxicity in vivo:</b> no data available  <b>Assessment Mutagenicity:</b> no data available
<b>Reproductive toxicity</b>	<b>Reproductive toxicity:</b> no data available  <b>Assessment Reproductive toxicity:</b> no data available  <b>Teratogenicity:</b> no data available  <b>Assessment teratogenicity:</b> no data available
<b>STOT - single exposure</b>	no data available
<b>STOT - repeated exposure</b>	no data available
<b>Aspiration toxicity</b>	May be fatal if swallowed and enters airways.
<b>Carcinogenicity</b>	<b>Assessment carcinogenicity:</b> Contains no ingredient listed as a carcinogen

## SECTION 12 ECOLOGICAL INFORMATION

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<b>Aquatic toxicity</b>	Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility.
<b>Toxicity to fish</b>	LC50 (Pimephales promelas (fathead minnow)) 96 hours Test substance: Linear Alkylbenzene

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In the range of water solubility not toxic under test conditions.

LC50 (Oncorhynchus mykiss (rainbow trout)) 96 hours

Test substance: Linear Alkylbenzene

In the range of water solubility not toxic under test conditions.

**Toxicity to aquatic invertebrates**

EC50 (Daphnia magna (Water flea)) 48 hours

Test substance: Linear Alkylbenzene

In the range of water solubility not toxic under test conditions.

LC50 (Larval form midge) 48 hours

Test substance: Linear Alkylbenzene

In the range of water solubility not toxic under test conditions.

LC50 (Larval form midge) 14 d

Test substance: Linear Alkylbenzene

In the range of water solubility not toxic under test conditions.

**Toxicity to algae**

no data available

**Chronic toxicity to fish**

no data available

**Chronic toxicity to aquatic invertebrates**

no data available

**Biodegradation**

Readily biodegradable.

OECD Test Guideline 301F (28 d): 64 %

Test substance: Linear Alkylbenzene

LAB of all molecular weights is expected to completely biodegrade in aquatic and terrestrial environments under aerobic conditions.

**Bioaccumulation**

no data available

**Mobility in soil**

no data available

**Other adverse effects**

no data available

## SECTION 13 DISPOSAL CONSIDERATIONS

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**Waste Code**

Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification.

**Disposal methods**

Dispose of only in accordance with local, state, and federal regulations.

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**Empty containers.** Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

### SECTION 14 TRANSPORT INFORMATION

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**DOT** Not regulated.

**IATA** Not regulated.

**IMDG** Not regulated.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

**Remarks** no data available

### SECTION 15 REGULATORY INFORMATION

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#### U.S. FEDERAL REGULATIONS

##### OSHA Hazards (HCS 1994)

Non-hazardous substance

##### TSCA Inventory Listing

###### Components

Benzene, mono-C10-14-alkyl derivs.

###### CAS-No.

68442-69-3

##### SARA 302 Status

###### Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

###### CAS-No.

###### Weight percent

##### SARA 311/312 Classification

"Immediate (acute) health hazard"

##### SARA 313 Chemical

###### Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

###### CAS-No.

###### Weight percent

##### US. EPA CERCLA Hazardous Substances (40 CFR 302)

###### Components

none

###### Reportable Quantity

###### Weight percent

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### INTERNATIONAL REGULATIONS

#### WHMIS Classification

WHMIS hazardous composition: No ingredients are hazardous according to the CPR criteria.

#### European Union

Classification according to Regulation (EU) 1272/2008.

Aspiration hazard, Category 1

Repeated exposure may cause skin dryness or cracking.

Australia. Inventory of Chemical Substances (AICS)	Listed
Japan. Inventory of Existing and New Chemical Substances (ENCS)	Listed
Japan. Industrial Safety & Health Law (ISHL) Inventory	Not listed
Canada. Domestic Substances List (DSL) Inventory	Listed
Canadian Non-Domestic Substance Listing (NDSL)	Not listed
European Inventory of Existing Commercial Chemical Substances (EINECS) Listing	Listed
Philippines. Inventory of Chemicals / Chemical Substances (PICCS)	Listed
Korea. Existing Chemicals Inventory (KECI)	Not listed
China. Inventory of Existing Chemical Substances (IECSC)	Listed
Mexico. National Inventory of Chemical Substances (INSQ)	Not listed
New Zealand. Inventory of Chemicals (NZIoC)	Listed
Switzerland. Inventory of Notified New Substances (CHINV)	Listed
Taiwan. National Existing Chemical Inventory (NECI)	Listed

Please note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3.

### STATE REGULATIONS

#### California Prop. 65

##### Components

none

##### CAS-No.

### SECTION 16 OTHER INFORMATION

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#### HAZARD RATINGS

Health

Flammability

Physical Hazard/

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			<u>Instability</u>
<b>HMIS®</b>	1	1	0
<b>NFPA</b>	1	1	0

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