



Prepared according to Commission Regulation (EU) No 453/2010.

Section 1	Identification of substance/mixture and of the company/undertaking
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1.1 Product Identifier

SOLEST LT-32

Synonyms None.

1.2 Relevant identified uses of the substance or mixture and (uses advised against)

Relevant identified uses (see section 7.3 for information on REACH registered uses)

Multipurpose.

1.3 Details of the supplier of the safety data sheet

CPI Engineering Services
2300 James Savage Rd.
Midland, MI 48642
Phone: 989-496-3780
Fax: 989-496-0316

E-mail contact EUSDS@lubrizol.com

1.4 Emergency Telephone number

FOR TRANSPORT EMERGENCY call CHEMTREC: (+1) 703-527-3887 (outside the U.S.), 1-800-424-9300 (in the U.S.)

Section 2	Hazards Identification
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2.1 Classification of the substance or mixture

(EC) No 1272/2008

This product does not meet the classification requirements of the current European legislation.

67/548/EC or 1999/45/EC

This product does not meet the classification requirements of the current European legislation.

For a full text of R- and H- phrases: See section 16

2.2 Label elements

(EC) No 1272/2008

If skin irritation occurs: Get medical attention.

All disposal practices must be in accordance with local, national and international regulations.

Supplemental label information

None.

2.3 Other hazards

None identified.

Section 3	Composition/Information on Ingredients
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3.2 Mixtures

(EC) No 1272/2008

This material contains no ingredients requiring disclosure under regulatory hazard criteria for this jurisdiction. See Section 11 for additional details.

67/548/EC or 1999/45/EC

This material contains no ingredients requiring disclosure under regulatory hazard criteria for this jurisdiction. See Section 11 for additional details.

Section 4	First Aid Measures
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4.1 Description of first aid measures

Skin

Wash with soap and water. Remove contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

Eyes

Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.

Inhaled

Remove exposed person to fresh air if adverse effects are observed.

SOLEST LT-32 [2011/3/1]

Swallowed

DO NOT INDUCE VOMITING. Get immediate medical attention.

Advice for first-aid providers

When providing first aid always protect yourself against exposure to chemicals or blood born diseases by wearing gloves, masks and eye protection. After providing first aid wash your exposed skin with soap and water.

4.2 Most important symptoms and effects, both acute and delayed

See section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Note to physician: Treat symptomatically.

Section 5	Fire Fighting Measures
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5.1 Extinguishing Media

CO2, dry chemical, or foam. Water can be used to cool and protect exposed material

5.2 Special hazards arising from substance or mixture

See section 10 for additional information.

5.3 Advice for firefighters

Recommend wearing self-contained breathing apparatus. Water may cause splattering. Use water to cool containers exposed to fire.

Section 6	Accidental Release Measures
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6.1 Personal precautions, protective equipment and emergency procedures

Personal protective equipment must be worn. Ventilate area if spilled in a confined space or other poorly ventilated area.

6.2 Environmental precautions

Prevent entry into sewers and waterways.

6.3 Methods and material for containment and cleaning up

Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

6.4 Reference to other sections

See sections 8 and 13 for additional information.

Section 7	Handling and Storage
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7.1 Precautions for safe handling

Keep away from potential sources of ignition. Keep containers closed when not in use. Avoid breathing dust, fume, gas, mist, vapors or spray. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of product. Dispose of packaging or containers in accordance with local, regional, national and international regulations.

Pumping Temperature

Not determined.

Maximum Handling Temperature

Not determined.

Loading Temperature

Not determined.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry location. See section 10 for incompatible materials.

Maximum Storage Temperature

Not determined.

7.3 Specific end use(s)

End uses are listed in an attached exposure scenario when one is required.

Section 8	Exposure Controls/Personal Protection
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8.1 Control parameters

None known.

Other Exposure Limits

8.2 Exposure controls

Use with adequate ventilation.

Eye/face protection

Safety Glasses.

Skin protection

Neoprene.

Long sleeve shirt is recommended. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse.

Respiratory Protection

Use respirator with an organic vapor cartridge if exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

Hygiene Measures

Wash thoroughly after handling this product.

Environmental exposure controls

See section 6 for details.

Section 9	Physical and Chemical Properties
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9.1 Information on basic physical and chemical properties

Appearance	Clear liquid.
Odour	Mild
Odour Threshold	Not determined.
pH	Not determined.
Melting / Freezing Point	Not determined.
Boiling Point	Not determined.
Boiling Point Range	Not determined.
Flash Point	248 °C, 478.4 °F COC (Typical)
Evaporation Rate	Not determined.
Flammability (solid,gas)	Not applicable.
Lower flammability or explosive limit	Not determined.
Upper flammability or explosive limit	Not determined.
Vapour Pressure	Not determined.
Vapour Density	Not determined.
Relative density	0.98 (15.6 °C)
Bulk Density	Not determined.
Water Solubility	Insoluble.
Other solubilities	Not determined.
Partition coefficient: n-octanol/water	Not determined.
Autoignition Point	Not determined.
Decomposition Temperature	Not determined.
Viscosity	30.7 Centistokes (40 °C) 5.4 Centistokes (100 °C)
Explosive properties	Material does not have explosive properties.
Oxidising properties	Material is a non-oxidising substance.

9.2 Other information

Pour Point Temperature	< -40 °C, < -40 °F
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The above data are typical values and do not constitute a specification.

Section 10	Stability and Reactivity
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10.1 Reactivity

Carefully review all information provided in sections 10.2 - 10.6.

SOLEST LT-32 [2011/3/1]

10.2 Chemical stability

Material is normally stable at moderately elevated temperatures and pressures.

10.3 Possibility of hazardous reactions

Will not occur.

10.4 Conditions to avoid

High temperatures.

10.5 Incompatible materials

Strong acids. Strong bases.

10.6 Hazardous decomposition products

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

Section 11	Toxicological Information
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11.1 Information on toxicological effects

Acute toxicity

Oral

The LD50 in rats is > 10,000 mg/Kg. Based on data from components or similar materials.

Dermal

The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.

Inhalation

No data available to indicate product or components may be a toxic inhalation hazard.

Skin corrosion / irritation

May cause mild skin irritation. Does not meet Canadian D2B or EU R38 criteria. Based on data from components or similar materials.

Serious eye damage / irritation

Not expected to cause eye irritation. Based on data from components or similar materials.

Respiratory Irritation

No data available to indicate product or components may cause respiratory irritation under normal workplace conditions and good industrial hygiene practices.

Respiratory or skin sensitization

Skin

No data available to indicate product or components may be a skin sensitizer.

Respiratory

No data available to indicate product or components may be respiratory sensitizers.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

Reproductive Toxicity

No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

STOT repeated exposure

No data available to indicate product or components present at greater than 1% are chronic health hazards.

Other information

No other health hazards known.

Section 12	Ecological Information
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12.1 Toxicity

Freshwater fish

Not determined.

Freshwater invertebrates

Not determined.

Algae

Not determined.

Saltwater fish

Not determined.

Saltwater invertebrates

Not determined.

Bacteria

Not determined.

12.2 Persistence and degradability

Not applicable.

12.3 Bioaccumulative potential

Not applicable.

12.4 Mobility in soil

Not applicable.

12.5 Results of PBT and vPvB assessment

Not Available

12.6 Other adverse effects

None known.

Section 13	Disposal Considerations
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13.1 Waste treatment methods

All disposal practices must be in accordance with local, regional, national and international regulations.

Dispose of packaging or containers in accordance with local, regional, national and international regulations.

Section 14	Transport Information
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14.1 UN number

ADR/RID	Not regulated
ICAO	Not regulated
IMDG	Not regulated

14.2 UN proper shipping name

ADR/RID	Not regulated
ICAO	Not regulated
IMDG	Not regulated

14.3 Transport hazard class(es)

ADR/RID	Not regulated
ICAO	Not regulated
IMDG	Not regulated

14.4 Packing group

ADR/RID	Not regulated
ICAO	Not regulated
IMDG	Not regulated

14.5 Environmental hazards

ADR/RID	Not applicable.
ICAO	Not applicable.
IMDG	Not applicable.

14.6 Special precautions for users

Review classification requirements before shipping materials at elevated temperatures.

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code

Not determined.

Section 15	Regulatory Information
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15.1 Safety, health and environment regulations / legislation specific for the substance or mixture**Global Chemical Inventories**

Australia	All components are in compliance with chemical notification requirements in Australia.
Canada	This material contains one or more components that are on the Non-Domestic Substances list (NDSL). This material or products containing this material may be exported to Canada in limited quantities.
China	All components of this product are listed on the Inventory of Existing Chemical Substances in China.
EU	May require notification under EC Seventh Amendment Directive 92/32/EEC.
Japan	May require notification in Japan.
Korea	May require notification before sale in Korea.
New Zealand	May require notification before sale under New Zealand regulations.
Philippines	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

SOLEST LT-32 [2011/3/1]

Switzerland May require notification before sale in Switzerland.
Taiwan May require notification before sale in Taiwan.
USA All components of this material are on the US TSCA Inventory or are exempt.

German water hazard classes

WGK = 2 according to the Water Hazardous Directive, VwVwS, dated May 17, 1999.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

Section 16	Other Information
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Created by

Product Safety and Compliance Department (440-943-1200)

Created Date

20 March 2007

Revision date

01 March 2011

SDS No.

1694503-2601133-808181-102103

HMIS Codes

Health	Fire	Reactivity
1	1	0

Relevant R Phrases

Not applicable.

Relevant hazard phrases

Not determined.

Revision Indicators

Section: 2 Label Eye first aid	Changed: 1 March 2011
Section: 2 Extinguishing media.	Changed: 1 March 2011
Section: 2 Oral first aid.	Changed: 1 March 2011
Section: 2 Skin first aid.	Changed: 1 March 2011
Section: 2 Storage procedures.	Changed: 1 March 2011

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