



# MATERIAL SAFETY DATA SHEET

Print date: 09-Apr-2012

Revision Number: 2

Revision date: 09-Apr-2012

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product Name:** SH<sup>®</sup> 32  
**Article Code:** 050004  
**Synonyms:** No information available  
**Chemical characterisation:** No data is available on the product itself.

**Supplier:**  
Summit Industrial Products  
9010 County Road 2120  
Tyler, Texas 75707  
Phone: (903) 534-8021  
Fax: (903) 581-4376

**Emergency telephone number** CHEMTREC: 1-800-424-9300, International: (703) 527-3887

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	ACGIH (TWA mg/m <sup>3</sup> ):	OSHA (TWA mg/m <sup>3</sup> ):
1,2 Benzenedicarboxylic acid di-c9-c11 branched alkyl ester	68515-49-1	5 (oil mist)	5 (oil mist)
N-Phenylbenzenamine	68411-46-1	None	None

**Note for Non-Hazardous Components** Components not precisely identified above are non-hazardous as defined by applicable laws.

## 3. HAZARDS IDENTIFICATION

**Properties affecting health:** None.  
**Principle routes of exposure:** None.  
**Skin contact:** Substance does not generally irritate and is only mildly irritating to the skin.  
**Eye contact:** Avoid contact with eyes. May cause slight irritation.  
**Inhalation:** Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.  
**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea

## 4. FIRST AID MEASURES

**General advice:** Consult a physician

<b>Skin contact:</b>	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.
<b>Eye contact:</b>	Flush eye with water for 15 minutes. If symptoms persist, call a physician.
<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, give oxygen. Consult a physician.
<b>Ingestion:</b>	Drink 1 or 2 glasses of water. Do not induce vomiting. Consult a physician if necessary.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Carbon dioxide (CO2), Dry chemical, Water spray mist or foam

**Extinguishing media which must not be used for safety reasons:**

No information available.

**Special protective equipment for firefighters:**

In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

**Specific hazards:**

Burning produces irritant fumes

**Unusual hazards:**

No hazards to be especially mentioned

**Specific methods:**

In the event of fire, cool tanks with water spray

**Flash point:**

>450 (°F)

**Autoignition temperature:**

730 (°F).

**Flammability Limits in Air:**

Lower

No information available

Upper

No information available

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Contaminated surfaces will be extremely slippery. Wear personal protective equipment.

**Environmental precautions:**

Should not be released into the environment.

**Methods for cleaning up:**

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## 7. HANDLING AND STORAGE

**Handling**

**Technical measures/precautions:**

No special technical protective measures required.

**Safe handling advice:**

Always replace cap after use. Handle in accordance with good industrial hygiene and safety practice.

**Storage**

**Technical measures/storage conditions:**

Keep containers dry and tightly closed to avoid moisture absorption and contamination.

**Incompatible products:**

No special restrictions on storage with other products

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**

Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

**Respiratory protection:**

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**Hand protection:**

Impervious gloves.

**Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect.

**Eye protection:** Safety glasses

**Hygiene measures:** Avoid contact with skin, eyes and clothing.. Wash off with soap and water..



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	Liquid
<b>Color:</b>	Clear	<b>Odor:</b>	Mild
<b>Specific gravity:</b>	< 1.0	<b>Boiling point/range</b>	>600 (°F)
<b>Evaporation rate:</b>	Not determined	<b>Vapor density:</b>	Not determined
<b>Vapor pressure:</b>	<0.10 mm Hg @ 20°C	<b>Solubility:</b>	Insoluble.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Polymerization:</b>	Hazardous polymerisation does not occur.
<b>Hazardous decomposition products:</b>	Smoke, Carbon oxides
<b>Materials to avoid:</b>	Strong oxidising agents.
<b>Conditions to avoid:</b>	Stable at normal conditions

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** No data available

## 12. ECOLOGICAL INFORMATION

**Mobility:** The product is insoluble and floats on water..

**Bioaccumulative potential:** No information available.

**Ecotoxicity effects:** Not determined.

**Aquatic toxicity:** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** In accordance with local and national regulations.

**Contaminated packaging:** Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

### DOT

**Proper shipping name:** Not Regulated

### TDG (Canada)

**Proper shipping name:** Not Regulated

### IMO / IMDG

**Proper shipping name:** Not Regulated

## 14. TRANSPORT INFORMATION

### ICAO

Proper shipping name: Not Regulated

### IATA

Proper shipping name: Not Regulated

## 15. REGULATORY INFORMATION

### International Inventories

**PICCS:** This product does not comply with phil:

**TSCA:** Listed in TSCA

**DSL:** All of the components in this product are listed in DSL

**ENCS:** This product does not comply with JPENCS

**CHINA:** This product complies with china:

**AICS:** All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

**KECL:** This product complies with korea:

**EINECS/ELINCS** This product complies with EINECS/ELINCS

### U.S. Regulations:

*1,2 Benzenedicarboxylic acid di-c9-c11 branched alkyl ester*

**California Proposition 65** - Listed.

**NJRTK:** Substance no. 3005 Listed.

**PARTK:** Listed.

**ILRTK:** Listed.

**CTRTRK:** Listed.

### Sara (311, 312) hazard class:

Chronic Hazard

### Canada

**WHMIS hazard class:**

Non-controlled

## 16. OTHER INFORMATION

**NFPA** Health: 1 Flammability: 1 Instability: 0

**HMIG** Health: 1 Flammability: 1 Reactivity: 0

NFPA symbol:



Reason for revision:

Not applicable

Prepared by:

Health & Safety

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



# MATERIAL SAFETY DATA SHEET

Print date: 09-Apr-2012

Revision Number: 3

Revision date: 09-Apr-2012

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product Name:** SH<sup>®</sup> 46  
**Article Code:** 050005  
**Synonyms:** No information available  
**Chemical characterisation:** No data is available on the product itself.

**Supplier:**  
Summit Industrial Products  
9010 County Road 2120  
Tyler, Texas 75707  
Phone: (903) 534-8021  
Fax: (903) 581-4376

**Emergency telephone number** CHEMTREC: 1-800-424-9300, International: (703) 527-3887

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	ACGIH (TWA mg/m <sup>3</sup> ):	OSHA (TWA mg/m <sup>3</sup> ):
1,2 Benzenedicarboxylic acid di-c9-c11 branched alkyl ester	68515-49-1	5 (oil mist)	5 (oil mist)
N-Phenylbenzenamine	68411-46-1	None	None

**Note for Non-Hazardous Components** Components not precisely identified above are non-hazardous as defined by applicable laws.

## 3. HAZARDS IDENTIFICATION

**Properties affecting health:** None.  
**Principle routes of exposure:** None.  
**Skin contact:** Substance does not generally irritate and is only mildly irritating to the skin.  
**Eye contact:** Avoid contact with eyes. May cause slight irritation.  
**Inhalation:** Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.  
**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea

## 4. FIRST AID MEASURES

**General advice:** Consult a physician

<b>Skin contact:</b>	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.
<b>Eye contact:</b>	Flush eye with water for 15 minutes. If symptoms persist, call a physician.
<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, give oxygen. Consult a physician.
<b>Ingestion:</b>	Drink 1 or 2 glasses of water. Do not induce vomiting. Consult a physician if necessary.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Carbon dioxide (CO<sub>2</sub>), Dry chemical, Water spray mist or foam

**Extinguishing media which must not be used for safety reasons:**

No information available.

**Special protective equipment for firefighters:**

In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

**Specific hazards:**

Burning produces irritant fumes

**Unusual hazards:**

No hazards to be especially mentioned

**Specific methods:**

In the event of fire, cool tanks with water spray

**Flash point:**

>450 (°F)

**Autoignition temperature:**

745 (°F).

**Flammability Limits in Air:**

Lower

No information available

Upper

No information available

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Contaminated surfaces will be extremely slippery. Wear personal protective equipment.

**Environmental precautions:**

Should not be released into the environment.

**Methods for cleaning up:**

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## 7. HANDLING AND STORAGE

**Handling**

**Technical measures/precautions:**

No special technical protective measures required.

**Safe handling advice:**

Always replace cap after use. Handle in accordance with good industrial hygiene and safety practice.

**Storage**

**Technical measures/storage conditions:**

Keep containers dry and tightly closed to avoid moisture absorption and contamination.

**Incompatible products:**

No special restrictions on storage with other products

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**

Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

**Respiratory protection:**

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**Hand protection:**

Impervious gloves.

**Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect.

**Eye protection:** Safety glasses

**Hygiene measures:** Avoid contact with skin, eyes and clothing.. Wash off with soap and water..



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	Liquid
<b>Color:</b>	Clear	<b>Odor:</b>	Mild
<b>Specific gravity:</b>	<1.0	<b>Boiling point/range</b>	>600 (°F)
<b>Evaporation rate:</b>	Not determined	<b>Vapor density:</b>	Not determined
<b>Vapor pressure:</b>	<0.10 mm Hg @ 20°C	<b>Solubility:</b>	Insoluble.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Polymerization:</b>	Hazardous polymerisation does not occur.
<b>Hazardous decomposition products:</b>	Smoke, Carbon oxides
<b>Materials to avoid:</b>	Strong oxidising agents.
<b>Conditions to avoid:</b>	Stable at normal conditions

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** No data available

## 12. ECOLOGICAL INFORMATION

**Mobility:** The product is insoluble and floats on water..

**Bioaccumulative potential:** No information available.

**Ecotoxicity effects:** No data available.

**Aquatic toxicity:** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** In accordance with local and national regulations.

**Contaminated packaging:** Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

### DOT

**Proper shipping name:** Not Regulated

### TDG (Canada)

**Proper shipping name:** Not Regulated

### IMO / IMDG

**Proper shipping name:** Not Regulated



## 14. TRANSPORT INFORMATION

### ICAO

Proper shipping name: Not Regulated

### IATA

Proper shipping name: Not Regulated

## 15. REGULATORY INFORMATION

### International Inventories

**PICCS:** This product does not comply with phil:

**TSCA:** Listed in TSCA

**DSL:** All of the components in this product are listed in DSL

**ENCS:** This product does not comply with JPENCS

**CHINA:** This product complies with china:

**AICS:** All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

**KECL:** This product complies with korea:

**EINECS/ELINCS** This product complies with EINECS/ELINCS

### U.S. Regulations:

*1,2 Benzenedicarboxylic acid di-c9-c11 branched alkyl ester*

**California Proposition 65** - Listed.

**NJRTK:** Substance no. 3005 Listed.

**PARTK:** Listed.

**ILRTK:** Listed.

**CTRTRK:** Listed.

### Sara (311, 312) hazard class:

Chronic Hazard

### Canada

**WHMIS hazard class:**

Non-controlled

## 16. OTHER INFORMATION

**NFPA** Health: 1 Flammability: 1 Instability: 0

**HMIG** Health: 1 Flammability: 1 Reactivity: 0

NFPA symbol:



Reason for revision:

Not applicable

Prepared by:

Health & Safety

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



# MATERIAL SAFETY DATA SHEET

Print date: 29-Apr-2009

Revision Number: 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product name:** SH<sup>®</sup> 68  
**Synonyms:** No information available  
**Chemical characterisation:** No data is available on the product itself.

**Supplier:**  
Summit Industrial Products  
9010 County Road 2120  
Tyler, Texas 75707  
Phone: (903) 534-8021  
Fax: (903) 581-4376

**Emergency telephone number** CHEMTREC: 1-800-424-9300

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	ACGIH (TWA mg/m <sup>3</sup> ):	OSHA (TWA mg/m <sup>3</sup> ):
1-Decene, Homopolymer, hydrogenated	68037-01-4	None	None
Dodecene, Homopolymer hydrogenated	151006-63-2	None	None
1-Dodecene trimer, hydrogenated	151006-62-1	None	None

## 3. HAZARDS IDENTIFICATION

**Properties affecting health:** None.  
**Principle routes of exposure:** None.  
**Skin contact:** Substance does not generally irritate and is only mildly irritating to the skin.  
**Eye contact:** Avoid contact with eyes. May cause slight irritation.  
**Inhalation:** May cause irritation of respiratory tract.  
**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea

## 4. FIRST AID MEASURES

**General advice:** Consult a physician  
**Skin contact:** Remove and wash contaminated clothing before re-use. Wash off immediately with soap and plenty of water.  
**Inhalation:** If breathing is difficult, give oxygen. Consult a physician. Move to fresh air.

**Eye contact:** Flush eye with water for 15 minutes. If symptoms persist, call a physician.  
**Ingestion:** Drink 1 or 2 glasses of water. Do not induce vomiting. Consult a physician if necessary.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**  
Carbon dioxide (CO<sub>2</sub>), Dry chemical, Water spray mist or foam

**Extinguishing media which must not be used for safety reasons:**  
No information available.

**Special protective equipment for firefighters:**  
In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

**Specific hazards:** Burning produces irritant fumes  
**Unusual hazards:** No hazards to be especially mentioned  
**Specific methods:** In the event of fire, cool tanks with water spray

**Flash point:** >450 (°F)  
**Method:** Cleveland Open Cup  
**Autoignition temperature:** 745 (°F).

**Flammability Limits in Air:**  
**Lower** No information available  
**Upper** No information available

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Contaminated surfaces will be extremely slippery. Wear personal protective equipment.

**Environmental precautions:** Should not be released into the environment.

**Methods for cleaning up:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## 7. HANDLING AND STORAGE

### Handling

**Technical measures/precautions:** No special technical protective measures required.  
**Safe handling advice:** Always replace cap after use. Handle in accordance with good industrial hygiene and safety practice.

### Storage

**Technical measures/storage conditions:** Keep containers dry and tightly closed to avoid moisture absorption and contamination.  
**Incompatible products:** No special restrictions on storage with other products

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**  
Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

**Respiratory protection:** In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.  
**Hand protection:** Impervious gloves.  
**Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect.  
**Eye protection:** Safety glasses  
**Hygiene measures:** Avoid contact with skin, eyes and clothing.. Wash off with soap and water..



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	Liquid
<b>Color:</b>	Clear	<b>Odor:</b>	Mild
<b>Specific gravity:</b>	<1.0	<b>Boiling point/range</b>	>600 (°F)
<b>Evaporation rate:</b>	Not determined	<b>Vapor density:</b>	Not determined
<b>Vapor pressure:</b>	<0.10 mm Hg @ 20°C	<b>Solubility:</b>	Insoluble

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Polymerization:</b>	Hazardous polymerisation does not occur.
<b>Hazardous decomposition products:</b>	Smoke, Carbon oxides
<b>Materials to avoid:</b>	Strong oxidising agents.
<b>Conditions to avoid:</b>	Stable at normal conditions

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** No data available

## 12. ECOLOGICAL INFORMATION

**Mobility:** No information available.

**Bioaccumulative potential:** No information available.

**Ecotoxicity effects:** No data available.

**Aquatic toxicity:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** In accordance with local and national regulations.

**Contaminated packaging:** Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

DOT  
**Proper shipping name:** Not Regulated

TDG (Canada)  
**Proper shipping name:** Not Regulated

IMO / IMDG  
**Proper shipping name:** Not Regulated

ICAO

## 14. TRANSPORT INFORMATION

**Proper shipping name:** Not Regulated

### IATA

**Proper shipping name:** Not Regulated

## 15. REGULATORY INFORMATION

### International Inventories

**PICCS:** This product does not comply with phil:

**TSCA:** Listed in TSCA

**DSL:** All of the components in this product are listed in DSL

**ENCS:** This product does not comply with JPENCS

**CHINA:** This product complies with china:

**AICS:** All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

**KECL:** This product does not comply with korea:

**EINECS/ELINCS** This product complies with EINECS/ELINCS

### U.S. Regulations:

**Sara (311, 312) hazard class:**

### Canada

**WHMIS hazard class:**

Non-controlled

## 16. OTHER INFORMATION

**NFPA**    **Health:**    1                    **Flammability:**    1                    **Instability:**        0

**HMIS**    **Health:**        1                    **Flammability:**    1                    **Physical Hazard:**    0

**NFPA symbol:**



**Reason for revision:**

Not applicable

**Prepared by:**

Health & Safety

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



# MATERIAL SAFETY DATA SHEET

Print date: 09-Apr-2012

Revision Number: 2

Revision date: 09-Apr-2012

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product Name:** SH<sup>®</sup> 100  
**Article Code:** 050007  
**Synonyms:** No information available  
**Chemical characterisation:** No data is available on the product itself.

**Supplier:**  
Summit Industrial Products  
9010 County Road 2120  
Tyler, Texas 75707  
Phone: (903) 534-8021  
Fax: (903) 581-4376

**Emergency telephone number** CHEMTREC: 1-800-424-9300, International: (703) 527-3887

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	ACGIH (TWA mg/m <sup>3</sup> ):	OSHA (TWA mg/m <sup>3</sup> ):
Oil Mist		5	5
N-Phenylbenzenamine	68411-46-1	None	None

**Note for Non-Hazardous Components** Components not precisely identified above are non-hazardous as defined by applicable laws.

## 3. HAZARDS IDENTIFICATION

**Properties affecting health:** None.  
**Principle routes of exposure:** None.  
**Skin contact:** Substance does not generally irritate and is only mildly irritating to the skin.  
**Eye contact:** Avoid contact with eyes. May cause slight irritation.  
**Inhalation:** Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.  
**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea

## 4. FIRST AID MEASURES

**General advice:** Consult a physician

<b>Skin contact:</b>	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.
<b>Eye contact:</b>	Flush eye with water for 15 minutes. If symptoms persist, call a physician.
<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, give oxygen. Consult a physician.
<b>Ingestion:</b>	Drink 1 or 2 glasses of water. Do not induce vomiting. Consult a physician if necessary.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Carbon dioxide (CO2), Dry chemical, Water spray mist or foam

**Extinguishing media which must not be used for safety reasons:**

No information available.

**Special protective equipment for firefighters:**

In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

<b>Specific hazards:</b>	Burning produces irritant fumes
<b>Unusual hazards:</b>	No hazards to be especially mentioned
<b>Specific methods:</b>	In the event of fire, cool tanks with water spray

<b>Flash point:</b>	>450 (°F)
<b>Autoignition temperature:</b>	760 (°F).

**Flammability Limits in Air:**

<b>Lower</b>	No information available
<b>Upper</b>	No information available

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Contaminated surfaces will be extremely slippery. Wear personal protective equipment.
<b>Environmental precautions:</b>	Should not be released into the environment.
<b>Methods for cleaning up:</b>	Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## 7. HANDLING AND STORAGE

**Handling**

<b>Technical measures/precautions:</b>	No special technical protective measures required.
<b>Safe handling advice:</b>	Always replace cap after use. Handle in accordance with good industrial hygiene and safety practice.

**Storage**

<b>Technical measures/storage conditions:</b>	Keep containers dry and tightly closed to avoid moisture absorption and contamination.
<b>Incompatible products:</b>	No special restrictions on storage with other products

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**

Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

<b>Respiratory protection:</b>	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
<b>Hand protection:</b>	Impervious gloves.



**Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect.

**Eye protection:** Safety glasses

**Hygiene measures:** Avoid contact with skin, eyes and clothing.. Wash off with soap and water..



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	Liquid
<b>Color:</b>	Clear	<b>Odor:</b>	Mild
<b>Specific gravity:</b>	<1.0	<b>Boiling point/range</b>	>600 (°F)
<b>Evaporation rate:</b>	Not determined	<b>Vapor density:</b>	Not determined
<b>Vapor pressure:</b>	<0.10 mm Hg @ 20°C	<b>Solubility:</b>	Insoluble.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Polymerization:</b>	Hazardous polymerisation does not occur.
<b>Hazardous decomposition products:</b>	Smoke, Carbon oxides
<b>Materials to avoid:</b>	Strong oxidising agents.
<b>Conditions to avoid:</b>	Stable at normal conditions

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** No data available

## 12. ECOLOGICAL INFORMATION

**Mobility:** The product is insoluble and floats on water..

**Bioaccumulative potential:** No information available.

**Ecotoxicity effects:** No data available.

**Aquatic toxicity:** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** In accordance with local and national regulations.

**Contaminated packaging:** Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

**DOT**  
**Proper shipping name:** Not Regulated

**TDG (Canada)**  
**Proper shipping name:** Not Regulated

**IMO / IMDG**  
**Proper shipping name:** Not Regulated

## 14. TRANSPORT INFORMATION

**ICAO**  
Proper shipping name: Not Regulated

**IATA**  
Proper shipping name: Not Regulated

## 15. REGULATORY INFORMATION

### International Inventories

**PICCS:** This product does not comply with phil:

**TSCA:** Listed in TSCA

**DSL:** All of the components in this product are listed in DSL

**ENCS:** This product does not comply with JPENCS

**CHINA:** This product complies with china:

**AICS:** All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

**KECL:** This product complies with korea:

**EINECS/ELINCS** This product complies with EINECS/ELINCS

### U.S. Regulations:

#### **Sara (311, 312) hazard class:**

Chronic Hazard

#### **Canada**

**WHMIS hazard class:**

Non-controlled

## 16. OTHER INFORMATION

**NFPA**    **Health:**    1                    **Flammability:**    1                    **Instability:**        0

**HMIG**    **Health:**        1                    **Flammability:**    1                    **Reactivity:**        0

**NFPA symbol:**



**Reason for revision:**                    Not applicable  
**Prepared by:**                            Health & Safety

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



# MATERIAL SAFETY DATA SHEET

Print date: 12-Apr-2012

Revision Number: 2

Revision date: 12-Apr-2012

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product Name:** SH<sup>®</sup>150  
**Article Code:** 340153  
**Synonyms:** No information available  
**Chemical characterisation:** No data is available on the product itself.

**Supplier:**  
Summit Industrial Products  
9010 County Road 2120  
Tyler, Texas 75707  
Phone: (903) 534-8021  
Fax: (903) 581-4376

**Emergency telephone number** CHEMTREC: 1-800-424-9300, International: (703) 527-3887

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	ACGIH (TWA mg/m <sup>3</sup> ):	OSHA (TWA mg/m <sup>3</sup> ):
Oil Mist		5 mg/m <sup>3</sup> (oil mist)	5 mg/m <sup>3</sup> (oil mist)

**Note for Non-Hazardous Components** Components not precisely identified above are non-hazardous as defined by applicable laws.

## 3. HAZARDS IDENTIFICATION

**Properties affecting health:** None.  
**Principle routes of exposure:** None.  
**Skin contact:** Substance does not generally irritate and is only mildly irritating to the skin.  
**Eye contact:** Avoid contact with eyes. May cause slight irritation.  
**Inhalation:** May cause irritation of respiratory tract.  
**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea

## 4. FIRST AID MEASURES

**General advice:** Consult a physician  
**Skin contact:** Remove and wash contaminated clothing before re-use. Wash off immediately with soap and plenty of water.

**Eye contact:** Flush eye with water for 15 minutes. If symptoms persist, call a physician.  
**Inhalation:** If breathing is difficult, give oxygen. Consult a physician. Move to fresh air.  
**Ingestion:** Drink 1 or 2 glasses of water. Do not induce vomiting. Consult a physician if necessary.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**  
Carbon dioxide (CO<sub>2</sub>), Dry chemical, Water spray mist or foam

**Extinguishing media which must not be used for safety reasons:**  
No information available.

**Special protective equipment for firefighters:**  
In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

**Specific hazards:** Burning produces irritant fumes  
**Unusual hazards:** No hazards to be especially mentioned  
**Specific methods:** In the event of fire, cool tanks with water spray

**Flash point:** >450 (°F)  
**Autoignition temperature:** 760 (°F).

**Flammability Limits in Air:**  
**Lower** No information available  
**Upper** No information available

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Contaminated surfaces will be extremely slippery. Wear personal protective equipment.

**Environmental precautions:** Should not be released into the environment.

**Methods for cleaning up:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## 7. HANDLING AND STORAGE

### Handling

**Technical measures/precautions:** No special technical protective measures required.  
**Safe handling advice:** Always replace cap after use. Handle in accordance with good industrial hygiene and safety practice.

### Storage

**Technical measures/storage conditions:** Keep containers dry and tightly closed to avoid moisture absorption and contamination.  
**Incompatible products:** No special restrictions on storage with other products

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**  
Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

**Respiratory protection:** In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**Hand protection:** Impervious gloves.

**Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect.

**Eye protection:** Safety glasses

**Hygiene measures:**

Avoid contact with skin, eyes and clothing.. Wash off with soap and water..



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	Liquid
<b>Color:</b>	Clear	<b>Odor:</b>	Mild
<b>Specific gravity:</b>	<1.0	<b>Boiling point/range</b>	>600 (°F)
<b>Evaporation rate:</b>	Not determined	<b>Vapor density:</b>	Not determined
<b>Vapor pressure:</b>	<0.10 mm Hg @ 20°C	<b>Solubility:</b>	Insoluble.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Polymerization:</b>	Hazardous polymerisation does not occur.
<b>Hazardous decomposition products:</b>	Smoke, Carbon oxides
<b>Materials to avoid:</b>	Strong oxidising agents.
<b>Conditions to avoid:</b>	Stable at normal conditions

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** No data available

## 12. ECOLOGICAL INFORMATION

**Mobility:** No information available.

**Bioaccumulative potential:** No information available.

**Ecotoxicity effects:** No data available.

**Aquatic toxicity:** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** In accordance with local and national regulations.

**Contaminated packaging:** Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

**DOT**  
**Proper shipping name:** Not Regulated

**TDG (Canada)**  
**Proper shipping name:** Not Regulated

**IMO / IMDG**  
**Proper shipping name:** Not Regulated

## 14. TRANSPORT INFORMATION

### ICAO

Proper shipping name: Not Regulated

### IATA

Proper shipping name: Not Regulated

## 15. REGULATORY INFORMATION

### International Inventories

**PICCS:** This product does not comply with phil:

**TSCA:** Listed in TSCA

**DSL:** All of the components in this product are listed in DSL

**ENCS:** This product does not comply with JPENCS

**CHINA:** This product complies with china:

**AICS:** All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

**KECL:** This product complies with korea:

**EINECS/ELINCS** This product complies with EINECS/ELINCS

### U.S. Regulations:

Sara (311, 312) hazard class:

### Canada

**WHMIS hazard class:**

Non-controlled

## 16. OTHER INFORMATION

**NFPA** Health: 1 Flammability: 1 Instability: 0

**HMIG** Health: 1 Flammability: 1 Reactivity: 0

NFPA symbol:



**Reason for revision:**

Not applicable

**Prepared by:**

Health & Safety

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