

## Safety Data Sheet



## Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1 Product identifier

**Product Name** • **BC-531 Liquid Scintillator**

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

**Relevant identified use(s)** • Radiation detection

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer** • Saint-Gobain Crystals and Detectors

17900 Great Lakes Parkway  
Hiram, OH 44234-9681  
United States  
www.crystals.saint-gobain.com

**Telephone (General)** • 440-834-5600

### 1.4 Emergency telephone number

**Manufacturer** • 1-800-424-9300 - ChemTrec

**Manufacturer** • 703-525-3887 - ChemTrec Outside U.S.

## Section 2: Hazards Identification

### EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 2015/830]

### 2.1 Classification of the substance or mixture

**CLP**

- Skin Irritation 2 - H315
- Eye Irritation 2 - H319
- Hazardous to the aquatic environment Chronic 3 - H412

### 2.2 Label Elements

**CLP**

### WARNING



**Hazard statements** • H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H412 - Harmful to aquatic life with long lasting effects

## Precautionary statements

- Prevention** • P264 - Wash thoroughly after handling.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

- Response** • P302+P352 - IF ON SKIN: Wash with plenty of water.  
 P362+P364 - Take off contaminated clothing and wash it before reuse.  
 P321 - Specific treatment, see supplemental first aid information.  
 P332+P313 - If skin irritation occurs: Get medical advice/attention.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 - If eye irritation persists: Get medical advice/attention.

- Storage/Disposal** • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

- Supplemental information** • > 90 percent of this product consists of an ingredient of unknown toxicity.

## 2.3 Other Hazards

- CLP** • According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

## United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

### 2.1 Classification of the substance or mixture

- OSHA HCS 2012** • Skin Irritation 2  
 Eye Irritation 2

### 2.2 Label elements

**OSHA HCS 2012**

#### WARNING



- Hazard statements** • Causes skin irritation  
 Causes serious eye irritation

### Precautionary statements

- Prevention** • Wash thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection.

- Response** • If on skin: Wash with plenty of water.  
 Take off contaminated clothing and wash before reuse.  
 Specific treatment, see supplemental first aid information.  
 If skin irritation occurs: Get medical advice/attention.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.

## 2.3 Other hazards

- OSHA HCS 2012** • Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

## Canada

According to: WHMIS 2015

### 2.1 Classification of the substance or mixture

- WHMIS 2015** • Skin Irritation 2

Eye Irritation 2

**2.2 Label elements**

WHMIS 2015

**WARNING**

- Hazard statements** • Causes skin irritation  
 Causes serious eye irritation

**Precautionary statements**

- Prevention** • Wash thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection.
- Response** • IF ON SKIN: Wash with plenty of water/ .  
 Take off contaminated clothing and wash it before reuse.  
 Specific treatment, see supplemental first aid information.  
 If skin irritation occurs: Get medical advice/attention.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.

**2.3 Other hazards**

WHMIS 2015

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

**Section 3 - Composition/Information on Ingredients****3.1 Substances**

- Material does not meet the criteria of a substance.

**3.2 Mixtures**

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Alkylbenzene	CAS:68442-69-3 EINECS:270-486-9	> 90%	NDA	EU CLP: Skin Irrit. 2, H315; Eye Irrit. 2, H319 OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2 WHMIS 2015: Skin Irrit. 2; Eye Irrit. 2	NDA
Pseudocumene	CAS:95-63-6 EC Number:202-436-9 EU Index:601-043-00-3	< 10%	Ingestion/Oral-Rat LD50 • 5 g/kg Inhalation-Rat LC50 • 18000 mg/m <sup>3</sup> 4 Hour(s)	EU CLP: Annex VI, Table 3.1: Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3: Resp. Irrit. (inhl), H335; Aquatic Chronic 2, H411 OSHA HCS 2012: Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3: Narc; STOT SE 3: Resp. Irrit. (inhl); Asp. Tox. 1 WHMIS 2015: Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3: Narc.; STOT SE 3: Resp. Irrit. (inhl); Asp. Tox. 1	NDA
Flours	Proprietary	< 1%	NDA	EU CLP: Not Classified OSHA HCS 2012: Not Classified WHMIS 2015: Not Classified	NDA

See Section 16 for full text of H-statements.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

#### Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

#### Skin

- Wash skin with soap and water. If irritation develops and persists, get medical attention.

#### Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### Ingestion

- Do NOT induce vomiting. Obtain medical attention immediately if ingested.

### 4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

### 4.3 Indication of any immediate medical attention and special treatment needed

#### Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

**Suitable Extinguishing Media** • Use CO<sub>2</sub>, dry chemical, or foam.

**Unsuitable Extinguishing Media** • No data available

### 5.2 Special hazards arising from the substance or mixture

**Unusual Fire and Explosion Hazards** • No data available

**Hazardous Combustion Products** • No data available

### 5.3 Advice for firefighters

- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal Precautions** • Wear appropriate personal protective equipment, avoid direct contact.

**Emergency Procedures** • Stop leak if you can do it without risk.

### 6.2 Environmental precautions

- Prevent spill from entering sewers, soil or waterways.

### 6.3 Methods and material for containment and cleaning up

**Containment/Clean-up Measures** • Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

### 6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

#### Handling

- Wear appropriate protective equipment. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage

- Keep container tightly closed. Store in a cool, dry, well ventilated area.

### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

Exposure Limits/Guidelines						
	Result	Denmark	Finland	France	Germany DFG	Germany TRGS
Pseudocumene (95-63-6)	TWAs	20 ppm TWA; 100 mg/m <sup>3</sup> TWA	20 ppm TWA; 100 mg/m <sup>3</sup> TWA	20 ppm TWA [VME] (restrictive limit); 100 mg/m <sup>3</sup> TWA [VME] (restrictive limit)	Not established	20 ppm TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2); 100 mg/m <sup>3</sup> TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2)
	STELs	Not established	Not established	50 ppm STEL [VLCT] (restrictive limit); 250 mg/m <sup>3</sup> STEL [VLCT] (restrictive limit)	Not established	Not established
	Ceilings	Not established	Not established	Not established	40 ppm Peak (all isomers, listed under Trimethylbenzene); 200 mg/m <sup>3</sup> Peak (all isomers, listed under Trimethylbenzene)	Not established
	MAKs	Not established	Not established	Not established	20 ppm TWA MAK; 100 mg/m <sup>3</sup> TWA MAK	Not established
Exposure Limits/Guidelines (Con't.)						
	Result	Greece	Hungary	Ireland	Italy	Netherlands
	TWAs	25 ppm TWA; 125 mg/m <sup>3</sup> TWA	100 mg/m <sup>3</sup> TWA [AK]	20 ppm TWA; 100 mg/m <sup>3</sup> TWA	20 ppm TWA Media Ponderata nel Tempo; 100 mg/m <sup>3</sup> TWA Media Ponderata nel	100 mg/m <sup>3</sup> TWA

Pseudocumene (95-63-6)					Tempo	
	STELs	Not established	Not established	60 ppm STEL (calculated); 300 mg/m3 STEL (calculated)	Not established	200 mg/m3 STEL
Exposure Limits/Guidelines (Con't.)						
	Result	NIOSH	Poland	Portugal	Spain	Sweden
Pseudocumene (95-63-6)	TWAs	25 ppm TWA; 125 mg/m3 TWA	100 mg/m3 TWA [NDS]	20 ppm TWA [VLE- MP] (indicative limit value); 100 mg/m3 TWA [VLE-MP] (indicative limit value)	20 ppm TWA [VLA- ED] (indicative limit value); 100 mg/m3 TWA [VLA-ED] (indicative limit value)	25 ppm LLV; 120 mg/m3 LLV
	STELs	Not established	170 mg/m3 STEL [NDSCh]	Not established	Not established	35 ppm Indicative STLV; 170 mg/m3 Indicative STLV

### Exposure Control Notations

#### Germany DFG

- Pseudocumene (95-63-6): **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to)

### Exposure Limits Supplemental

#### Germany TRGS

- Pseudocumene (95-63-6): **BELs:** (400 mg/g Medium: urine Time: end of shift Parameter: Dimethylbenzoic acid (sum of all isomers after hydrolysis; measured as mg/g Creatinine); 400 mg/g Medium: urine Time: end of several shifts Parameter: Dimethylbenzoic acid (sum of all isomers after hydrolysis; measured as mg/g Creatinine; for long-term exposures))

## 8.2 Exposure controls

### Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Personal Protective Equipment

#### Respiratory

- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

#### Eye/Face

- Wear safety glasses.

#### Skin/Body

- Wear appropriate gloves.

### Environmental Exposure Controls

- Follow best practice for site management and disposal of waste. Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

#### Key to abbreviations

LLV = Limit Level Value is the exposure limit for 8-hour work day

MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limits are based on 15-minute exposures

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

<b>Material Description</b>			
Physical Form	Liquid	Appearance/Description	Clear, blue fluorescent oily liquid, aromatic odor.
Color	Clear, blue.	Odor	Aromatic
Odor Threshold	Data lacking		
<b>General Properties</b>			
Boiling Point	> 400 °F(> 204.4444 °C)	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	= 0.87 Water=1	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
<b>Volatility</b>			
Vapor Pressure	< 0.5 mmHg (torr)	Vapor Density	Data lacking
Evaporation Rate	< 0.1 n-Butyl Acetate = 1		
<b>Flammability</b>			
Flash Point	199 °F(92.7778 °C)	UEL	<7%
LEL	0.6 %	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
<b>Environmental</b>			
Octanol/Water Partition coefficient	Data lacking		

## 9.2 Other Information

- No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

- Stable under normal temperatures and pressures.

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

- Incompatible materials.

### 10.5 Incompatible materials

- Strong oxidizers.

### 10.6 Hazardous decomposition products

- Carbon monoxide, asphyxiants.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

<b>Components</b>	
	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 5 g/kg; Inhalation-Rat LC50 • 18000 mg/m <sup>3</sup> 4 Hour(s);

Pseudocumene (< 10%)	95-63-6	<b>Multi-dose Toxicity:</b> Inhalation-Rat TCl <sub>0</sub> • 20 mg/m <sup>3</sup> 16 Week(s)-Continuous; <i>Kidney, Ureter, and Bladder</i> . <b>Other changes in urine composition;</b> Inhalation-Rat TCl <sub>0</sub> • 100 ppm 6 Hour(s) 20 Day(s)-Intermittent; <i>Behavioral:Changes in motor activity (specific assay); Behavioral:Analgesia; Behavioral:Alteration of operant conditioning</i>
Alkylbenzene (> 90%)	68442-69-3	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 2460 mg/kg; Skin-Rabbit LD50 • >2 g/kg; <b>Irritation:</b> Eye-Rabbit • 5 mg • Severe irritation; Skin-Rabbit • 500 mg 1 Day(s) • Severe irritation

GHS Properties	Classification
Acute toxicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2 WHMIS 2015 • Skin Irritation 2
Serious eye damage/Irritation	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2 WHMIS 2015 • Eye Irritation 2
Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Aspiration Hazard	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking

## Potential Health Effects

### Inhalation

- Acute (Immediate)** • Mist or high vapor concentration may cause irritation to the upper respiratory tract.
- Chronic (Delayed)** • No data available

### Skin

- Acute (Immediate)** • Causes skin irritation.



- Chronic (Delayed)**
  - No data available
- Eye**
- Acute (Immediate)**
  - Causes serious eye irritation.
- Chronic (Delayed)**
  - No data available
- Ingestion**
- Acute (Immediate)**
  - May cause gastrointestinal irritation, diarrhea, and nausea.
- Chronic (Delayed)**
  - No data available

**Key to abbreviations**

LC = Lethal Concentration

LD = Lethal Dose

TC = Toxic Concentration

## Section 12 - Ecological Information

### 12.1 Toxicity

Components		
Pseudocumene (< 10%)	95-63-6	<b>Aquatic Toxicity-Fish:</b> 96 Hour(s) LC50 <i>Pimephales promelas</i> (Fathead Minnow) 7.72 mg/L <b>Aquatic Toxicity-Crustacea:</b> 48 Hour(s) EC50 <i>Daphnia magna</i> (Water Flea) 3.6063 mg/L

- Harmful to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

- Material data lacking.

### 12.3 Bioaccumulative potential

- Material data lacking.

### 12.4 Mobility in Soil

- Material data lacking.

### 12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

### 12.6 Other adverse effects

- Material data lacking.

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

- Product waste**
  - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste**
  - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA

<b>TDG</b>	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
<b>IMO/IMDG</b>	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
<b>IATA/ICAO</b>	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA

**14.6 Special precautions for user** • None specified.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** • Data lacking.

## Section 15 - Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA Hazard Classifications** • Acute

State Right To Know		
Component	CAS	PA
Pseudocumene	95-63-6	Yes
Flours	<i>Proprietary</i>	No
p-bis (o-Methylstyryl) Benzene	13280-61-0	No
Alkylbenzene	68442-69-3	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Pseudocumene	95-63-6	Yes	No	Yes	Yes	No
Flours	<i>Proprietary</i>	Yes	No	Yes	Yes	No
p-bis (o-Methylstyryl) Benzene	13280-61-0	Yes	No	Yes	Yes	No
Alkylbenzene	68442-69-3	Yes	No	Yes	Yes	No

Inventory (Con't.)			
Component	CAS	Korea KECL	TSCA
Pseudocumene	95-63-6	Yes	Yes
Flours	<i>Proprietary</i>	Yes	Yes
p-bis (o-Methylstyryl)Benzene	13280-61-0	Yes	Yes
Alkylbenzene	68442-69-3	Yes	Yes

## Canada

### Labor

#### Canada - WHMIS 1988 - Classifications of Substances

• Pseudocumene	95-63-6	B3
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

#### Canada - WHMIS 1988 - Ingredient Disclosure List

• Pseudocumene	95-63-6	0.1 %
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• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**Environment****Canada - CEPA - Priority Substances List**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**China****Environment****China - Ozone Depleting Substances - First Schedule**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**China - Ozone Depleting Substances - Second Schedule**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**China - Ozone Depleting Substances - Third Schedule**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**Other****China - Annex I & II - Controlled Chemicals Lists**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**China - Dangerous Goods List**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**Germany****Labor****Germany - Immission Control - Qualifying Quantities for Major Accident Prevention**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**Germany - Immission Control - Qualifying Quantities for Safety Reporting**

• Pseudocumene	95-63-6	Not Listed
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• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed
<b>Germany - TRGS 505 - Specific Lead Regulations</b>		
• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed
<b>Germany - TRGS 511 - Specific Ammonium Nitrate Regulations</b>		
• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed
<b>Environment</b>		
<b>Germany - TA Luft - Types and Classes</b>		
• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed
<b>Germany - TA Luft - Emission Limits for Carcinogenic Substances</b>		
• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed
<b>Germany - TA Luft - Emission Limits for Fibers</b>		
• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed
<b>Germany - TA Luft - Emission Limits for Inorganic Dusts</b>		
• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed
<b>Germany - TA Luft - Emission Limits for Inorganic Gases</b>		
• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed
<b>Germany - TA Luft - Emission Limits for Organic Substances</b>		
• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed
<b>Germany - Water Classification (VwVwS) - Annex 1</b>		
• Pseudocumene	95-63-6	Not Listed

• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**Germany - Water Classification (VwVwS) - Annex 3**

• Pseudocumene	95-63-6	ID Number 3925, hazard class 2 - hazard to waters
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**United States****Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**U.S. - OSHA - Specifically Regulated Chemicals**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**Environment****U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

• Pseudocumene	95-63-6	1.0 % de minimis concentration
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**United States - California**

**Environment**

**U.S. - California - Proposition 65 - Carcinogens List**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**U.S. - California - Proposition 65 - Developmental Toxicity**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Female**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed

• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

## United States - Pennsylvania

### Labor

#### U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

• Pseudocumene	95-63-6	
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

#### U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Pseudocumene	95-63-6	Not Listed
• Flours	<i>Proprietary</i>	Not Listed
• p-bis (o-Methylstyryl)Benzene	13280-61-0	Not Listed
• Alkylbenzene	68442-69-3	Not Listed

## 15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

## Section 16 - Other Information

### Relevant Phrases (code & full text)

- H226 - Flammable liquid and vapour
- H332 - Harmful if inhaled
- H335 - May cause respiratory irritation
- H411 - Toxic to aquatic life with long lasting effects

### Revision Date

- 25/May/2017

### Preparation Date

- 05/February/2009

### Disclaimer/Statement of Liability

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### Key to abbreviations

NDA = No Data Available