

# Safety Data Sheet

## SO-SURE General Purpose Enamel

SDS Revision Date:

08/23/2018



### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

<b>Product Identity</b>	SO-SURE General Purpose Enamel
<b>Alternate Names</b>	Black 17038 LHB Part Number: 01D4-190 National Stock Number: 8010-01-505-1966 CAGE Code: OFTT5 Contract Number: SPE8EG-16-D-0015

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

<b>Intended use</b>	See product label.
<b>Application Method</b>	See product label.

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

<b>Company Name</b>	LHB Industries 8833 Fleischer Place Berkeley, MO 63134
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#### Emergency

<b>24 hour Emergency Telephone No.</b>	(800) 633-8253 (PERS)
<b>Customer Service: LHB Industries</b>	(314) 423-4333

### 2. Hazard identification of the product

#### 2.1. Classification of the substance or mixture

Flam. Aerosol 1;H222	Extremely flammable aerosol.
Press. Gas;H280	Contains gas under pressure; may explode if heated.
Eye Irrit. 2;H319	Causes serious eye irritation.
STOT SE 3;H336	May cause drowsiness or dizziness.
STOT RE 2;H373	May cause damage to organs through prolonged or repeated exposure. Specific Target Organs: (central nervous system)

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### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



**Danger**

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

#### **[Prevention]:**

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.

P260 Do not breathe mist / vapors / spray.

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

#### **[Response]:**

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P314 Get Medical advice / attention if you feel unwell.

P331 Do NOT induce vomiting.

P337+313 If eye irritation persists: Get medical advice / attention.

P377 Leaking gas fire - do not extinguish unless leak can be stopped safely.

P381 Eliminate all ignition sources if safe to do so.

#### **[Storage]:**

P410+403 Protect from sunlight. Store in a well ventilated place.

#### **[Disposal]:**

No GHS disposal statements

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### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Petroleum gases, liquefied, sweetened CAS Number: 0068476-86-8	25 - 50	Press. Gas;H280 Flam. Gas 1;H220	[1]
Acetone CAS Number: 0000067-64-1	10 - 25	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	[1][2]
N-Butyl Acetate CAS Number: 0000123-86-4	10 - 25	Flam. Liq. 3;H226 STOT SE 3;H336	[1][2]
Solvent naphtha (petroleum), light aliphatic CAS Number: 0064742-89-8	10 - 25	Asp. Tox. 1;H304	[1]
PM Acetate CAS Number: 0000108-65-6	1.0 - 10	Flam. Liq. 3;H226	[1]
Stoddard solvent CAS Number: 0008052-41-3	1.0 - 10	STOT RE 1;H372 Asp. Tox. 1;H304	[1][2]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

### 4. First aid measures

#### 4.1. Description of first aid measures

##### General

Move victim to fresh air.  
 Call 911 or emergency medical service if deemed necessary.  
 Give artificial respiration if victim is not breathing.  
 Administer oxygen if breathing is difficult.  
 Remove and isolate contaminated clothing and shoes.  
 In case of contact with liquefied gas, thaw frosted parts with lukewarm water.  
 Keep victim warm and quiet.  
 Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

##### Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

##### Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

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**Skin** Remove and isolate contaminated clothing and shoes. Clothing frozen to the skin should be thawed before being removed. In case of contact with liquefied gas, thaw frosted parts with lukewarm water.

**Ingestion** If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

**Overview** Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

**Inhalation** May cause drowsiness or dizziness.

**Eyes** Causes serious eye irritation.

## 5. Fire-fighting measures

### 5.1. Extinguishing media

**Fire involving Tanks:** Some of these materials, if spilled, may evaporate leaving a flammable residue. Some of these materials, if spilled, may evaporate leaving a flammable residue.

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

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Do not breathe mist / vapors / spray.

Do not get in eyes, on skin, or on clothing.

### 5.3. Advice for fire-fighters

Wear positive pressure self-contained breathing apparatus (SCBA).

Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

Structural firefighters' protective clothing will only provide limited protection.

Some may burn but none ignite readily.

Containers may explode when heated.

Ruptured cylinders may rocket.

Vapors may cause dizziness or asphyxiation without warning.

Vapors from liquefied gas are initially heavier than air and spread along ground.

Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.

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Fire may produce irritating, corrosive and/or toxic gases.

ERG Guide No. 126

### 6. Accidental release measures

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

Do not touch or walk through spilled material.

Stop leak if you can do it without risk.

Do not direct water at spill or source of leak.

Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.

If possible, turn leaking containers so that gas escapes rather than liquid.

Prevent entry into waterways, sewers, basements or confined areas.

Allow substance to evaporate.

Ventilate the area.

#### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

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

Stay upwind.

Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks).

Keep out of low areas.

Ventilate closed spaces before entering.

### 7. Handling and storage

#### 7.1. Precautions for safe handling

Store in accordance with the National Fire Protection Association's publication NFPA 30, Flammable and Combustible Liquids Code. 29 CFR 1910.106 applies to the handling, storage, and use of flammable and combustible liquids.

See section 2 for further details. - [Prevention]:

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

Handle containers carefully to prevent damage and spillage.

Store this product below 120°F, in a cool, dry, well ventilated area away from heat, sparks, flame, oxidizers and out of direct sunlight.

Incompatible materials: Strong oxidizing agents and acids.

See section 2 for further details. - [Storage]:

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### 7.3. Specific end use(s)

No data available.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

CAS No.	Ingredient	Exposure	
		Source	Value
0000067-64-1	Acetone	OSHA	TWA 1000 ppm (2400 mg/m <sup>3</sup> )STEL 2400 mg/m <sup>3</sup>
		ACGIH	TWA: 250 ppmSTEL: 500 ppm Skin
		NIOSH	250 ppm (590 mg/m <sup>3</sup> ) TWA
		Supplier	No Established Limit
0000108-65-6	PM Acetate	OSHA	No Established Limit
		ACGIH	TWA: 50 ppmSTEL: 75 ppm
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000123-86-4	N-Butyl Acetate	OSHA	TWA 150 ppm (710 mg/m <sup>3</sup> )
		ACGIH	TWA: 20 ppmS
		NIOSH	TWA 150 ppm (710 mg/m <sup>3</sup> ) ST 200 ppm (950 mg/m <sup>3</sup> )
		Supplier	No Established Limit
0008052-41-3	Stoddard solvent	OSHA	TWA 500 ppm (2900 mg/m <sup>3</sup> )
		ACGIH	TWA: 290 mg/m <sup>3</sup> STEL: 580 mg/m <sup>3</sup>
		NIOSH	TWA 350 mg/m <sup>3</sup> C 1800 mg/m <sup>3</sup> [15-minute]
		Supplier	No Established Limit
0064742-89-8	Solvent naphtha (petroleum), light aliphatic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0068476-86-8	Petroleum gases, liquefied, sweetened	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

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### Carcinogen Data

CAS No.	Ingredient	Source	Value
0000067-64-1	Acetone	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000108-65-6	PM Acetate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000123-86-4	N-Butyl Acetate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0008052-41-3	Stoddard solvent	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0064742-89-8	Solvent naphtha (petroleum), light aliphatic	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0068476-86-8	Petroleum gases, liquefied, sweetened	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

## 8.2. Exposure controls

### Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

### Eyes

Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids.

### Skin

Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. All parts of the body should be washed after contact.

### Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

### Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

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### 9. Physical and chemical properties

<b>Appearance</b>	Black Liquid/Gas
<b>Odor</b>	Solvent
<b>Odor threshold</b>	Not Measured
<b>pH</b>	Not Measured
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	Not Measured
<b>Flash Point</b>	Propellant < 0 F
<b>Evaporation rate (Ether = 1)</b>	Slower than ether
<b>Flammability (solid, gas)</b>	Flam. Aerosol 1;H222 Extremely flammable aerosol.
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> 1.1 <b>Upper Explosive Limit:</b> 12.8
<b>Vapor pressure (Pa)</b>	Not Measured
<b>Vapor Density</b>	Heavier than Air
<b>Specific Gravity</b>	0.735 (6.13 lb/gal)
<b>Solubility in Water</b>	Insoluble
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	Not Measured
<b>VOC</b>	65.0% by wt., 4.96 lbs/gl, 594 g/L (less water and exempt solvents)
<b>Maximum Incremental Reactivity</b>	0.77
<b>HAPS (lbs/gal)</b>	0.0
<b>HAPS (lbs/gal of Solids)</b>	Not Measured
<b>HAPS (lbs/lb of Solids)</b>	Not Measured
<b>% Volatile (by volume)</b>	90.3% (by volume)
<b>9.2. Other information</b>	
No other relevant information.	

### 10. Stability and reactivity

#### 10.1. Reactivity

Hazardous Polymerization will not occur.

#### 10.2. Chemical stability

Stable under normal circumstances.



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### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Avoid contact with open flame, sparks or hot surfaces.

### 10.5. Incompatible materials

Strong oxidizing agents and acids.

### 10.6. Hazardous decomposition products

High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

## 11. Toxicological information

### Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Petroleum gases, liquefied, sweetened - (68476-86-8)	No data available	No data available	No data available	No data available	No data available
Acetone - (67-64-1)	2,000.00, Rat - Category: 4	2,000.00, Rabbit - Category: 4	76.00, Rat - Category: NA	No data available	No data available
N-Butyl Acetate - (123-86-4)	10,700.00, Rat - Category: NA	17,600.00, Rabbit - Category: NA	No data available	No data available	No data available
Solvent naphtha (petroleum), light aliphatic - (64742-89-8)	5,000.00, Mouse - Category: 5	3,000.00, Rabbit - Category: 5	No data available	No data available	No data available
PM Acetate - (108-65-6)	8,532.00, Rat - Category: NA	5,000.00, Rabbit - Category: 5	No data available	No data available	4,345.00, Rat - Category: NA
Stoddard solvent - (8052-41-3)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

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Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-repeated exposure	2	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	---	Not Applicable

## 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

#### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Petroleum gases, liquefied, sweetened - (68476-86-8)	Not Available	Not Available	Not Available
Acetone - (67-64-1)	100.00, Pimephales promelas	10.00, Daphnia magna	20.565 (72 hr), Ulva pertusa
N-Butyl Acetate - (123-86-4)	18.00, Pimephales promelas	32.00, Artemia salina	674.70 (72 hr), Scenedesmus subspicatus
Solvent naphtha (petroleum), light aliphatic - (64742-89-8)	Not Available	Not Available	4,700.00 (72 hr), Selenastrum capricornutum
PM Acetate - (108-65-6)	100.00, Salmo gairdneri	500.00, Daphnia magna	Not Available
Stoddard solvent - (8052-41-3)	Not Available	Not Available	Not Available

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### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.

## 14. Transport information

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	UN1950	UN1950	UN1950
<b>14.2. UN proper shipping name</b>	UN1950, Aerosols, Limited Quantity, 2.1,	Aerosols, Limited Quantity	Aerosols, Limited Quantity
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class: 2.1</b>	<b>IMDG: 2.1</b>	<b>Air Class: 2.1</b>
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No		
<b>14.6. Special precautions for user</b>	No further information		

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### 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act (TSCA)** All components of this material are either listed or exempt from listing on the TSCA Inventory.

**WHMIS Classification** D2B

**US EPA Tier II Hazards**

**Fire:** Yes

**Sudden Release of Pressure:** Yes

**Reactive:** No

**Immediate (Acute):** Yes

**Delayed (Chronic):** Yes

**EPCRA 311/312 Chemicals and RQs (lbs):**

Acetone ( 5,000.00)

N-Butyl Acetate ( 5,000.00)

**EPCRA 302 Extremely Hazardous :**  
(No Product Ingredients Listed)

**EPCRA 313 Toxic Chemicals:**  
(No Product Ingredients Listed)

**Proposition 65 - Carcinogens (>0.0%):**  
(No Product Ingredients Listed)

**Proposition 65 - Developmental Toxins (>0.0%):**  
(No Product Ingredients Listed)

**Proposition 65 - Female Repro Toxins (>0.0%):**  
(No Product Ingredients Listed)

**Proposition 65 - Male Repro Toxins (>0.0%):**  
(No Product Ingredients Listed)

**N.J. RTK Substances (>1%):**

Acetone

N-Butyl Acetate

Stoddard solvent

**Penn RTK Substances (>1%):**

Acetone

N-Butyl Acetate

Stoddard solvent

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### 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.

**This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

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