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

1.1. Product identifier

Product Identity SO-SURE Industrial Enamel Aerosol Paint

Alternate Names Specification: MIL-DTL-11195G Type II, Gray 36375

LHB Part Number: 0034---381

National Stock Number: 8010-01-167-1139

CAGE Code: 0FTT5 Contract Number:

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

Intended use See product label.

**Application Method** See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name LHB Industries

8833 Fleischer Place Berkeley, MO 63134

**Emergency** 

24 hour Emergency Telephone No. (800) 633-8253 (PERS)

Customer Service: LHB Industries (314) 423-4333

### 2. Hazard identification of the product

### 2.1. Classification of the substance or mixture

Flam. Gas 1;H220 Extremely flammable gas.

Press. Gas;H280 Contains gas under pressure; may explode if heated.

Acute Tox. 5;H303 May be harmful if swallowed. (Not adopted by US OSHA)

Skin Irrit. 3;H316 Causes mild skin irritation. (Not adopted by US OSHA)

Eye Irrit. 2;H319 Causes serious eye irritation.

STOT SE 3;H336 May cause drowsiness or dizziness.

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#### 2.2. Label elements

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



H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H303 May be harmful if swallowed.

H316 Causes mild skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

### [Prevention]:

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

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves / eye protection / face protection.

### [Response]:

P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.

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

P332+313 If skin irritation occurs: Get medical advice / attention.

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

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

P381 Eliminate all ignition sources if safe to do so.

### [Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

P410 Protect from sunlight.

### [Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

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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
Acetone CAS Number: 0000067-64-1	25 - 50	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	[1][2]
Petroleum gases, liquefied, sweetened CAS Number: 0068476-86-8	25 - 50	Press. Gas;H280 Flam. Gas 1;H220	[1]
N-Butyl Acetate CAS Number: 0000123-86-4	10 - 25	Flam. Liq. 3;H226 STOT SE 3;H336	[1][2]
Titanium dioxide CAS Number: 0013463-67-7	1.0 - 10	Not Classified	[1][2]
Methyl Amyl Ketone CAS Number: 0000110-43-0	1.0 - 10	Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H302	[1][2]
TALC (Mg3H2(SiO3)4) CAS Number: 0014807-96-6	1.0 - 10	Not Classified	[1][2]
Methyl Propyl Ketone CAS Number: 0000107-87-9	1.0 - 10	Flam. Liq. 2;H225 Acute Tox. 4;H302 Eye Irrit. 2;H319 STOT SE 3;H335 Skin Irrit. 2;H315	[1][2]

<sup>[1]</sup> Substance classified with a health or environmental hazard.

### 4. First aid measures

#### 4.1. Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

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.

Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use a

recognized skin cleanser.

<sup>[2]</sup> Substance with a workplace exposure limit.

<sup>[3]</sup> PBT-substance or vPvB-substance.
\*The full texts of the phrases are shown in Section 16.

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**Ingestion** DO NOT INDUCE VOMITING. Give nothing by mouth. Get immediate medical attention.

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

Overview ROUTES OF EXPOSURE: Exposure may be by INHALATION and/or SKIN or EYE

contact, depending on conditions of use. To minimize exposure, follow recommendations

for proper use, ventilation, and personal protective equipment.

EFFECTS OF OVEREXPOSURE: Irritation of eyes, skin and upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in

unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headache, dizziness, nausea and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness

and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None generally recognized. 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.

Skin Causes mild skin irritation. (Not adopted by US OSHA)

Ingestion May be harmful if swallowed. (Not adopted by US OSHA)

### 5. Fire-fighting measures

### 5.1. Extinguishing media

Dry chemical, Foam, Water fog

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

Hazardous decomposition: Carbon dioxide and carbon monoxide

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

Avoid breathing dust / fume / gas / mist / vapors / spray.

#### 5.3. Advice for fire-fighters

**FIRE FIGHTING EQUIPMENT:** Fire fighters should wear full protective equipment, and have self-contained breathing apparatus available.

**SPECIAL PROCEDURES:** Use water to cool containers exposed to a fire.

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### 6. Accidental release measures

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

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

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

Avoid inhalation. Use good ventilation. Read entire label before using and follow all label directions. Dispose of in accordance with applicable Federal, State & Local regulations. Remove ignition sources and work with non-sparking tools. Use oil absorbent materials.

### 7. Handling and storage

### 7.1. Precautions for safe handling

Keep out of reach of children. Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: keep area ventilated- DO NOT SMOKE- Extinguish all flames, pilot lights, and heaters- Turn off stoves, electric tools and appliances, and any other source of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures. Contents under pressure. Do not puncture, incinerate, or expose to temperatures above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst, do not take internally.

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

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

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Avoid contact with strong acids and bases. Contact with strong oxidizers may cause fire and explosion.

Category NFPA 30B Level 2 Aerosol

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

### 7.3. Specific end use(s)

See product label.



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## 8. Exposure controls and personal protection

### 8.1. Control parameters

### **Exposure**

CAS No.	Ingredient	Source	Value		
0000067-64-1 Acetor	Acetone	OSHA	TWA 1000 ppm (2400 mg/m3)STEL 2400 mg/m3		
		ACGIH	TWA: 250 ppm STEL: 500 ppm Skin		
		NIOSH	250 ppm (590 mg/m3) TWA		
		Supplier	No Established Limit		
0000107-87-9	Methyl Propyl Ketone	OSHA	TWA 200 ppm (700 mg/m3)		
		ACGIH	TWA: 150 ppm STEL: 250 ppm		
		NIOSH	TWA 150 ppm (530 mg/m3)		
		Supplier	No Established Limit		
0000110-43-0	Methyl Amyl Ketone	OSHA	TWA 100 ppm (465 mg/m3)		
		ACGIH	TWA: 50 ppm		
		NIOSH	TWA 100 ppm (465 mg/m3)		
		Supplier	No Established Limit		
0000123-86-4	N-Butyl Acetate	OSHA	TWA 150 ppm (710 mg/m3		
		ACGIH	TWA: 20 ppmS		
		NIOSH	TWA 150 ppm (710 mg/m3) ST 200 ppm (950 mg/m3)		
	Supplier	No Established Limit			
0013463-67-7	Titanium dioxide	OSHA	TWA 15 mg/m3		
		ACGIH	TWA: 10 mg/m32B, Revised 2006,		
		NIOSH	Footnote ca		
		Supplier	No Established Limit		
0014807-96-6 TALC (Mg3H2(SiO3)4)	TALC (Mg3H2(SiO3)4)	OSHA	TWA 20 mppcf		
			Containing asbestos fibres TWA: 0.1 f/cc (K) A1, 1Containing no asbestos fibres TWA:2 mg/m3 (E) (respirable)		
		NIOSH	TWA 2 mg/m3 (resp)		
		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			Select Carcinogen: No			
[r		NTP	Known: No; Suspected: No			
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;			
0000107-87-9	Methyl Propyl Ketone	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;			
0000110-43-0	Methyl Amyl Ketone	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;			
		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;			
0013463-67-7	Titanium dioxide	OSHA	Select Carcinogen: No			
		NTP	Known: No; Suspected: No			
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;			
0014807-96-6	TALC (Mg3H2(SiO3)4)	OSHA	Select Carcinogen: No			
		NTP	Known: No; Suspected: No			
IAI		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;			
0068476-86-8	Petroleum gases, liquefied,	OSHA	Select Carcinogen: No			
	sweetened	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 personal exposure cannot be controlled to below applicable limits by ventilation, wear a

properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust that may be generated from this product,

underlying paint, or the abrasive.

Eyes Use safety glasses with side shields or chemical goggles. If exposure causes eye

discomfort, use a full-face respirator.

**Skin** Wear overalls to keep skin contact to a minimum. Chemical resistant gloves may be

needed for long term skin exposure.

**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.

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

### 9. Physical and chemical properties

Appearance Gray 36375 Liquid/Gas

Odor Solvent/Paint
Odor threshold Not Measured
pH Not Measured
Melting point / freezing point Not Measured

Initial boiling point and boiling rangeNot MeasuredFlash Point< 0F (Propellant)</th>Evaporation rate (Ether = 1)Slower than ether

Flammability (solid, gas) Gas

Upper/lower flammability or explosive limits

Lower Explosive Limit: 1.1

Upper Explosive Limit: 12.8

Vapor pressure (Pa) Not Measured

Vapor Density > 1 Specific Gravity 0.806

Solubility in Water

Partition coefficient n-octanol/water (Log Kow)

Auto-ignition temperature

Decomposition temperature

Viscosity (cSt)

Not Measured

% Volatile (by volume) 91.1

**VOC CONTENT** 44.8% by wt., 4.48 lb/gal, 537 g/l

MAXIMUM INCREMENTAL REACTIVITY 0.67

HAPS (lbs/gal) 0.00 lbs/gal
HAPS (lbs/gal of Solids) 0.00 lbs/gal
HAPS (lbs/lb of Solids) 0.00 lbs/lb

9.2. Other information

No other relevant information.

### 10. Stability and reactivity

#### 10.1. Reactivity

Hazardous Polymerization will not occur.

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### 10.2. Chemical stability

Stable under normal circumstances.

### 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

Avoid contact with strong acids and bases. Contact with strong oxidizers may cause fire and explosion.

### 10.6. Hazardous decomposition products

Carbon dioxide and carbon monoxide

### 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
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
Petroleum gases, liquefied, sweetened - (68476-86-8)	No data available	No data available	No data available	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
Titanium dioxide - (13463-67-7)	10,000.00, Rat - Category: NA	10,000.00, Rabbit - Category: NA	No data available	6.82, Rat - Category: NA	No data available
Methyl Amyl Ketone - (110-43-0)	1,670.00, Rat - Category: 4	12,600.00, Rabbit - Category: NA	No data available	No data available	No data available
TALC (Mg3H2(SiO3)4) - (14807-96-6)	No data available	No data available	No data available	No data available	No data available
Methyl Propyl Ketone - (107-87-9)	1,600.00, Rat - Category: 4	6,500.00, Rabbit -	No data available	No data available	No data available

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Ca	ategory: NA		

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).

Classification	Category	Hazard Description	
Acute toxicity (oral)	5	May be harmful if swallowed. (Not adopted by US OSHA)	
Acute toxicity (dermal)		Not Applicable	
Acute toxicity (inhalation)		Not Applicable	
Skin corrosion/irritation	3	Causes mild skin irritation. (Not adopted by US OSHA)	
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		Not Applicable	
Aspiration hazard		Not Applicable	

## 12. Ecological information

### 12.1. Toxicity

There is no data available on the preparation itself.

### **Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Acetone - (67-64-1)	100.00, Pimephales promelas	10.00, Daphnia magna	20.565 (72 hr), Ulva pertusa
Petroleum gases, liquefied, sweetened - (68476-86-8)	Not Available	Not Available	Not Available
N-Butyl Acetate - (123-86-4)	18.00, Pimephales promelas	32.00, Artemia salina	674.70 (72 hr), Scenedesmus subspicatus
Titanium dioxide - (13463-67-7)	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
Methyl Amyl Ketone - (110-43-0)	131.00, Pimephales promelas	Not Available	Not Available



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TALC (Mg3H2(SiO3)4) - (14807-96-6)	Not Available	Not Available	Not Available
Methyl Propyl Ketone - (107-87-9)	1,240.00, Pimephales promelas	Not Available	0.00 (96 hr),

### 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

Observe all federal, state and local regulations when disposing of this substance.

### 14. Transport information

**DOT (Domestic Surface** IMO / IMDG (Ocean ICAO/IATA Transportation) **Transportation**) 14.1. UN number UN1950 UN1950 UN1950 UN1950, Aerosols, Limited Aerosols, Limited Quantity Aerosols, Limited 14.2. UN proper shipping name Quantity, 2.1, Quantity 14.3. Transport hazard **DOT Hazard Class: 2.1 IMDG: 2.1** Air Class: 2.1 class(es) DOT Label: ---14.4. Packing group Not Applicable Not Applicable Not Applicable

14.5. Environmental hazards

IMDG Marine Pollutant: No

14.6. Special precautions for user

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. A D2B

WHMIS Classification /

US EPA Tier II Hazards Fire: Yes

Sudden Release of Pressure: Yes

Reactive: No

Immediate (Acute): Yes Delayed (Chronic): No

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

Acetone (5,000.00)

N-Butyl Acetate (5,000.00)

### **EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### **EPCRA 313 Toxic Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### Proposition 65 - Carcinogens (>0.0%):

Carbon black

TALC (Mg3H2(SiO3)4)

### Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### **Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### **Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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

Acetone

Methyl Amyl Ketone

Methyl Propyl Ketone

N-Butyl Acetate

TALC (Mg3H2(SiO3)4)

Titanium dioxide

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

Acetone

Methyl Amyl Ketone

Methyl Propyl Ketone

N-Butyl Acetate

TALC (Mg3H2(SiO3)4)

Titanium dioxide

### 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.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness and dizziness.

## 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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