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# 1. Identification

1.1. Product identifier Product Identity Alternate Names

ECO-SURE Industrial Aerosol Enamel Paint

Specification: A-A-2787A TYPE I, 34052 LHB Part Number: 0064---341 National Stock Number: 8010-00-948-7388 CAGE Code: 0FTT5, Contract Number: SPE8EG-16-D-0015

1.2. Relevant identified uses of the substance	or mixture and uses advised against		
Intended use	See Technical Data Sheet.		
Application Method	See Product Label		
1.3. Details of the supplier of the safety data s	heet		
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(s) identification

### 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 1;H372	Causes damage to organs through prolonged or repeated exposure. Specific Target Organs: (central nervous system)
Aquatic Chronic 3;H412	Harmful to aquatic life with long lasting effects.
Simple Asphyxiant	May displace oxygen and cause rapid suffocation.



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### 2.2. Label elements



## Danger

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

May displace oxygen and cause rapid suffocation.

Pressurized container: May burst if heated.

#### [Prevention]:

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

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

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

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

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

### [Response]:

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

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

P305+351+338 IF IN EYES: Rinse cautiously 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.

### [Storage]:

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

P405 Store locked up.

P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F.



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#### [Disposal]:

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

## 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	10 - 25	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	[1][2]
Propane CAS Number: 0000074-98-6	10 - 25	Flam. Gas 1;H220 Press. Gas;H280	[1][2]
N-Butyl Acetate CAS Number: 0000123-86-4	5 - 10	Flam. Liq. 3;H226 STOT SE 3;H336	[1][2]
Naphtha (petroleum), hydrotreated light CAS Number: 0064742-49-0	5 - 10	Asp. Tox. 1;H304	[1]
Butane CAS Number: 0000106-97-8	1 - 5	Flam. Gas 1;H220 Press. Gas;H280 Simple Asphyxiant	[1][2]
Isobutane CAS Number: 0000075-28-5	1 - 5	Flam. Gas 1;H220 Press. Gas;H280	[1][2]
2-Methoxy-1-Methylethyl Acetate CAS Number: 0000108-65-6	1 - 5	Flam. Liq. 3;H226	[1]
1-Methoxy-2-propanol CAS Number: 0000107-98-2	1 - 5	Flam. Liq. 3;H226 STOT SE 3;H336	[1][2]
Stoddard solvent CAS Number: 0008052-41-3	1 - 5	STOT RE 1;H372 Asp. Tox. 1;H304	[1][2]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[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

GeneralIn all cases of doubt, or when symptoms persist, seek medical attention.<br/>Never give anything by mouth to an unconscious person.InhalationRemove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give<br/>artificial respiration. If unconscious, place in the recovery position and obtain immediate<br/>medical attention. Give nothing by mouth.



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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.
Ingestion	DO NOT INDUCE VOMITING. Give nothing by mouth. Get immediate medical attention.
4.2. Most important sy	mptoms 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

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray. Do not use: water jet.

## 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.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

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

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

### 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.

ERG Guide No. 126



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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

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

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

Handle containers carefully to prevent damage and spillage.

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

Incompatible materials: Oxidizing agents, strong acids.

Category NFPA 30B Level 2 Aerosol

Do not store where temperatures may exceed 120F (48.9C)

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

CAS No.	Ingredient	Source	Value	
0000067-64-1	Acetone	OSHA	TWA 1000 ppm (2400 mg/m3) STEL 2400 mg/m3	
		ACGIH	TWA: 500 ppm STEL: 750 ppm	
		NIOSH	250 ppm (590 mg/m3) TWA	
		Supplier	No Established Limit	
0000074-98-6	Propane	OSHA	TWA 1000 ppm (1800 mg/m3)	
		ACGIH	Ensure Minimal Oxygen Content (ACGIH appendix F)	
		NIOSH	TWA 1000 ppm (1800 mg/m3)	
		Supplier	No Established Limit	
0000075-28-5	Isobutane	OSHA	No Established Limit	
		ACGIH	STEL: 1000ppm	
		NIOSH	TWA 800 ppm (1900 mg/m3)	
		Supplier	No Established Limit	
0000106-97-8	Butane	OSHA	No Established Limit	
		ACGIH	TWA: 600 ppm STEL: 750 ppm	
		NIOSH	TWA 800 ppm (1900 mg/m3)	
		Supplier	No Established Limit	
0000107-98-2	1-Methoxy-2-propanol	OSHA	No Established Limit	
		ACGIH	TWA: 50 ppm STEL: 75 ppm	
		NIOSH	TWA 100 ppm (360 mg/m3) ST 150 ppm (540 mg/m3)	
		Supplier	No Established Limit	
0000108-65-6	2-Methoxy-1-Methylethyl Acetate	OSHA	No Established Limit	
		ACGIH	TWA: 50 ppm STEL: 75 ppm	
		NIOSH	No Established Limit	
		Supplier	No Established Limit	
0000123-86-4	N-Butyl Acetate	OSHA	TWA 150 ppm (710 mg/m3	
		ACGIH	TWA: 20 ppm S	
		NIOSH	TWA 150 ppm (710 mg/m3) ST 200 ppm (950 mg/m3)	
		Supplier	No Established Limit	
0008052-41-3	Stoddard solvent	OSHA	TWA 500 ppm (2900 mg/m3)	
		ACGIH	TWA: 290 mg/m3 STEL: 580 mg/m3	
		NIOSH	TWA 350 mg/m3 C 1800 mg/m3 [15-minute]	
		Supplier	No Established Limit	



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0064742-49-0	Naphtha (petroleum), hydrotreated light	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

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	Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.
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.

See section 2 for further details.

# 9. Physical and chemical properties

Appearance	Dark green Liquid
Odor	Solvent
Odor threshold	Not determined
рН	Not Determined
Melting point / freezing point	Not Determined
Initial boiling point and boiling range	Not Determined
Flash Point	-156°F (propane)
Evaporation rate (Ether = 1)	Not Determined
Flammability (solid, gas)	Flam. Aerosol 1; H222 Extremely flammable aerosol
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Determined
	Upper Explosive Limit: Not Determined
Vapor pressure (Pa)	Not Determined
Vapor Density	Not Determined



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Specific Gravity Solubility in Water Partition coefficient n-octanol/water (Log Kow) Auto-ignition temperature Decomposition temperature Viscosity (cSt) VOC Content Maximum Incremental Reactivity % Volatile (by volume) 0.765 Insoluble Not Measured Not Determined Not Determined 5.00 lbs/gal, 598 g/L 0.61 85.43

## 9.2. Other information

No other relevant information.

# 10. Stability and reactivity

#### 10.1. Reactivity

Hazardous Polymerization will not occur.
10.2. Chemical stability
Stable under normal circumstances.
10.3. Possibility of hazardous reactions
No data available.
10.4. Conditions to avoid
No data available.
10.5. Incompatible materials
Oxidizing agents, strong acids.
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



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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.

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).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm	
Acetone - (67-64-1)	5,800.00, Rat - Category: NA	7,426.00, Guinea Pig - Category: NA	76.00, Rat - Category: NA	50.10, Rat - Category: NA	No data available	
Propane - (74-98-6)	No data available	No data available	658.00, 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	
Naphtha (petroleum), hydrotreated light - (64742-49-0)	5,000.00, Rat - Category: 5	3,160.00, Rabbit - Category: 5	No data available	No data available	No data available	
Butane - (106-97-8)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available	
Isobutane - (75-28-5)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available	
2-Methoxy-1-Methylethyl Acetate - (108-65-6)	8,532.00, Rat - Category: NA	5,000.00, Rabbit - Category: 5	No data available	No data available	No data available	
1-Methoxy-2-propanol - (107-98-2)	5,000.00, Rat - Category: 5	13,000.00, Rabbit - Category: NA	No data available	No data available	No data available	
Stoddard solvent - (8052-41-3)	> 5,000.00, Rat - Category: NA	No data available	No data available	5.50, Rat - Category: NA	No data available	

#### **Carcinogen Data**

CAS No.	Ingredient	Source	Value
0000067-64-1	Acetone	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000074-98-6	Propane	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000075-28-5 Isobutane		OSHA	Regulated Carcinogen: No
	NTP		Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000106-97-8 Butane OS		OSHA	Regulated Carcinogen: No
			Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;



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0000107-98-2	1-Methoxy-2-propanol	OSHA	Regulated 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	2-Methoxy-1-Methylethyl Acetate	OSHA	Regulated 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	Regulated 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	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0064742-49-0	Naphtha (petroleum), hydrotreated light	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

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-single exposure		Not Applicable
STOT-repeated exposure	1	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard		Not Applicable

# 12. Ecological information



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## 12.1. Toxicity

Harmful to aquatic life with long lasting effects. Toxic to aquatic life 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
Propane - (74-98-6)	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
Naphtha (petroleum), hydrotreated light - (64742-49-0)	Not Available	2.60, Chaetogammarus marinus	Not Available
Butane - (106-97-8)	6.00, Fish (Piscis)	Not Available	Not Available
Isobutane - (75-28-5)	Not Available	Not Available	Not Available
2-Methoxy-1-Methylethyl Acetate - (108-65-6)	100.00, Salmo gairdneri	500.00, Daphnia magna	Not Available
1-Methoxy-2-propanol - (107-98-2)	1,000.00, Oncorhynchus mykiss	500.00, Daphnia magna	1,000.00 (96 hr), Selenastrum capricornutum
Stoddard solvent - (8052-41-3)	Not Available	Not Available	Not Available

### 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



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

14.6. Special precautions for user

No further information

# **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 1988 Classification	A B5 D2A	
US EPA Tier II Hazards	Fire: No	

## Fire: No Sudden Release of Pressure: Yes Reactive: No Immediate (Acute): Yes Delayed (Chronic): Yes

### **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

## 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.



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# **16. Other information**

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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.

IMPORTANT NOTE: This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or any process. Final determination of suitability of any material is the sole responsibility of the user.

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