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# 1. Identification

1.1. Product identifier

Product Identity Corrosion Preventive Compound, 5 Gallon

Alternate Names Corrosion Preventive Compound, 5 Gallon

Specification: MIL-DTL-85054D(AS), TYPE II

LHB Part Number: 0934---003

National Stock Number: 8030-01-347-0982

CAGE Code: 0FTT5 and 1A864 Contract Number: SPE8EG-16-D-0011

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

Intended use 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(s) identification

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

Flam. Liq. 2;H225 Highly Flammable liquid and vapor.

Eye Dam. 2A;H319 Causes serious eye irritation.

Repr. 2;H361D Suspected of damaging the unborn child. 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 central nervous system)

Asp. Tox. 1;H304 May be fatal if swallowed and enters airways.

Aquatic Acute 3;H402 Harmful to aquatic life.

Aguatic Chronic 3;H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements



Danger



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H225 Highly flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

#### [Prevention]

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, sparks, open flames, and other ignition sources - No smoking.

P233 Keep container tightly closed.

P240 Ground, bond container and receiving equipment.

P241 Use explosion-proof electrical, ventilating, light, equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

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, doctor or physician.

P303+361+353 IF ON SKIN (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water, shower.

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

P308+313 IF exposed or concerned: Get medical advice or attention.

P312 Call a POISON CENTER, doctor or physician if you feel unwell.

P331 Do NOT induce vomiting.

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

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

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

#### [Storage]

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

P403+235 Store in a well ventilated place. Keep cool.

P405 Store locked up.



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## [Disposal]

P501 Dispose of contents or container in accordance with local and 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	25 - 50	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	
Isopropyl Alcohol CAS Number: 0000067-63-0	10 - 25	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	
Stoddard solvent CAS Number: 0008052-41-3	5 - 10	STOT RE 1;H372 Asp. Tox. 1;H304	
Acrylic polymer CAS Number: Proprietary	5 - 10	Not Classified	
Toluene CAS Number: 0000108-88-3	5 - 10	Flam. Liq. 2;H225 Repr. 2;H361d Asp. Tox. 1;H304 STOT RE 2;H373 Skin Irrit. 2;H315 STOT SE 3;H336	
Barium dinonylnaphthalenesulfonate CAS Number: 0025619-56-1	1 - 5	Acute Tox. 4;H302 Skin Irrit. 3;H316	
Solvent naphtha (petroleum), medium aliphatic CAS Number: 0064742-88-7	1 - 5	STOT RE 1;H372 Asp. Tox. 1;H304	

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

## Section 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.

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

vomiting.

<sup>\*</sup>PBT/vPvB - PBT-substance or vPvB-substance.

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



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

**Overview** Treat symptomatically. 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, fatique, 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. Check section 2.2 (GHS Label

Elements) for further details.

**Inhalation** May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.

**Eyes** Causes serious eye irritation.

**Skin** Causes mild skin irritation. (Note: this GHS classification was not adopted by US OSHA).

# Section 5. Fire-fighting measures

## 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray. Unsuitable extinguishing media: 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, and other ignition sources - No smoking.

Keep container tightly closed.

Ground, bond container and receiving equipment.

Use explosion-proof electrical, ventilating, light, equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

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.

Self-¬extinguishing. Does not hold a flame

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## Section 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.

# Section 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. 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. Do not take internally.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]

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

Incompatible materials: Oxidizing agents, strong acids.

Flammable Liquid, Class IB

Check section 2.2 (GHS Label Elements) for further details. - [Storage]

### 7.3. Specific end use(s)

See Product Label

# Section 8. Exposure controls / personal protection

#### 8.1. Control parameters

#### **Exposure**

CAS No.	Ingredient	Source	Value	
0000067-63-0	Isopropyl Alcohol	OSHA	OSHA TWA 400 ppm (980 mg/m³) STEL 500 ppm	
		ACGIH	TWA: 200 ppm STEL: 400 ppm	
		NIOSH	TWA 400 ppm (980 mg/m³) STEL: 500 ppm (1225 mg/m³)	
0000067-64-1	Acetone	OSHA	TWA 1000 ppm (2400 mg/m³) STEL 2400 mg/m³	



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		ACGIH	TWA: 500 ppm STEL: 750 ppm
		NIOSH	250 ppm (590 mg/m³) TWA
0000108-88-3	Toluene	OSHA	TWA (OSHA) 200 ppm C 300 ppm 500 ppm (10-minute maximum peak) STEL 150 ppm
		ACGIH	TWA: 20 ppm
		NIOSH	TWA 100 ppm (375 mg/m³) STEL: 150 ppm (560 mg/m³)
0008052-41-3	Stoddard solvent	OSHA	TWA 500 ppm (2900 mg/m³)
		ACGIH	TWA: 290 mg/m <sup>3</sup> STEL: 580 mg/m <sup>3</sup>
		NIOSH	TWA 350 mg/m³ C 1800 mg/m³ [15-minute]
0025619-56-1	Barium dinonylnaphthalenesulfonate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0064742-88-7	Solvent naphtha (petroleum), medium aliphatic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
Proprietary	Acrylic polymer	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	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 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.

**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.

using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Check section 2.2 (GHS Label Elements) for further details.

# Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance Color: Dark Blue Physical State: Liquid

**Odor** Solvent

Odor threshold Not determined PH Not Measured



Flammability (solid, gas)

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Not Applicable

389g/L (3.25 lb/gal)

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Melting point / freezing pointNot MeasuredInitial boiling point and boiling range $55 \, ^{\circ}\text{C}(131 \, ^{\circ}\text{F})$ Flash Point $-20 \, ^{\circ}\text{C} \, (-4 \, ^{\circ}\text{F})$ Evaporation rate (Ether = 1)Not Measured

Upper/lower flammability or explosive limits

Lower Explosive Limit: ND

Upper Explosive Limit: ND

Vapor pressure (Pa)Not MeasuredVapor DensityNot Measured

Relative Density

0.8718
Density 7.28 LBS/GAL

Solubility in Water Insoluble

Partition coefficient n-octanol/water (Log Kow) Not Measured

Auto-ignition temperature Not Measured

Decomposition temperature Not Measured

Viscosity (cSt) Not Measured

Maximum Incremental Reactivity 0.846

#### 9.2. Other information

**VOC Content** 

No other relevant information.

# Section 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



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# **Section 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.

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, Rabbit - Category: NA	76.00, Rat - Category: NA	50.10, Rat - Category: NA	No data available
Isopropyl Alcohol - (67-63-0)	5,840.00, Rat - Category: NA	16,400.00, Rabbit - Category: NA	72.60, Rat - Category: NA	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
Acrylic polymer - (Proprietary)	No data available	No data available	No data available	No data available	No data available
Toluene - (108-88-3)	5,580.00, Rat - Category: NA	> 5,000.00, Rabbit - Category: NA	No data available	No data available	No data available
Barium dinonylnaphthalenesulfonate - (25619-56-1)	No data available	No data available	No data available	No data available	No data available
Solvent naphtha (petroleum), medium aliphatic - (64742-88-7)	6,000.00, Rat - Category: NA	3,000.00, Rabbit - Category: 5	No data available	No data available	No data available

## Carcinogen Data

CAS No.	Ingredient	Source	Value	
0000067-63-0	Isopropyl Alcohol	OSHA	Regulated Carcinogen: No;	
		NTP	Known: No; Suspected: No;	
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;	
		ACGIH	A4	
0000067-64-1	Acetone	OSHA	Regulated Carcinogen: No;	
	NTP Known: No; Suspected: No;		Known: No; Suspected: No;	
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;	
		ACGIH	A4	



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0000108-88-3	OSHA	Regulated Carcinogen: No;						
		NTP	Known: No; Suspected: No;					
		IARC	Group 1: No:	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;				
		ACGIH	A4					
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;					
		ACGIH	No Establish	ed Limit				
0025619-56-1	Barium dinonylnaphthalenesulfonate	OSHA	Regulated Carcinogen: No;					
	dirionymaphinalenesulionate	NTP	Known: No; Suspected: No;					
		IARC		Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;				
0004740 00 7		ACGIH	No Establish					
0064742-88-7	Solvent naphtha (petroleum), medium aliphatic	OSHA		arcinogen: No;				
	·	NTP		Known: No; Suspected: No;				
		ACGIH	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;  No Established Limit					
Proprietary	Acrylic polymer	OSHA						
roprictary	A toryilo polymor	NTP	Regulated Carcinogen: No; Known: No; Suspected: No;					
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;					
		ACGIH						
Classification		Ca	tegory	Hazard Description				
Acute toxicity	y (oral)			Not Applicable				
Acute toxicity	y (dermal)			Not Applicable				
Acute toxicity	y (inhalation)			Not Applicable				
Skin corrosio	on/irritation			Not Applicable				
Serious eye	damage/irritation		2A	Causes serious eye irritation.				
Respiratory	sensitization			Not Applicable				
Skin sensitiz	ation			Not Applicable				
Germ cell m	utagenicity			Not Applicable				
Carcinogenicity				Not Applicable				
Reproductive toxicity			2	Suspected of damaging the unborn child.				
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 ha	azard		1	May be fatal if swallowed and enters airways.				



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# **Section 12. Ecological information**

## 12.1. Toxicity

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.

### **Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Acetone - (67-64-1)	8,120.00, Pimephales promelas	8,800.00, Daphnia pulex	7,000.00 (96 hr), Pseudokirchneriella subcapitata
Isopropyl Alcohol - (67-63-0)	10,000.00, Pimephales promelas	Not Available	Not Available
Stoddard solvent - (8052-41-3)	Not Available	Not Available	Not Available
Acrylic polymer - (Proprietary)	Not Available	Not Available	Not Available
Toluene - (108-88-3)	5.50, Oncorhynchus kisutch	3.78, Ceriodaphnia dubia	10.00 (72 hr), Skeletonema costatum
Barium dinonylnaphthalenesulfonate - (25619-56-1)	Not Available	Not Available	Not Available
Solvent naphtha (petroleum), medium aliphatic - (64742-88-7)	800.00, Pimephales promelas	100.00, Daphnia magna	450.00 (96 hr), Selenastrum capricornutum

### 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.

# **Section 13. Disposal considerations**

### 13.1. Waste treatment methods

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



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ICAO/IATA

**Section 14. Transport information** 

**DOT (Domestic Surface** IMO / IMDG (Ocean

Transportation) **Transportation**)

UN1139 UN1139

14.1. UN number UN1139

14.2. UN proper shipping UN1139, Coating solution, 3, Coating solution Coating solution name

Air Class: 3 14.3. Transport hazard **DOT Hazard Class: 3**, **IMDG**: 3,

class(es) Sub Class: Not Applicable Sub Class: Not Applicable Sub Class: Not Applicable

14.4. Packing group Ш Ш

14.5. Environmental hazards

Marine Pollutant: No:

14.6. Special precautions for user

Not Applicable

# Section 15. Regulatory information

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

regulations are represented.

**Toxic Substance** All components of this material are either listed or exempt from listing on the TSCA

Control Act (TSCA) Inventory.

**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:** 

Barium dinonylnaphthalenesulfonate

Ethylbenzene

Isopropyl Alcohol

Toluene

Proposition 65 - Carcinogens (>0.0%):

Cumene

Ethylbenzene

Proposition 65 - Developmental Toxins (>0.0%):

Toluene

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

Toluene

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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# **Proposition 65 Label Warning:**



WARNING: This product can expose you to chemicals including [Cumene, Ethylbenzene], which are known to the State of California to cause cancer, and [Toluene], which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

# Section 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:

H225 Highly flammable liquid and vapor.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H316 Causes mild skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause 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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