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

1.1. Product identifier Product Identity Alternate Names

ECO-SURE Industrial Enamel Aerosol Paint

Specification: A-A-2787 Type I, Gloss Yellow 13538 LHB Part Number: 0674-130 National Stock Number: 8010-01-331-6115 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 product label.	
Application Method	See product label.	

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. Customer Service: LHB Industries

(800) 633-8253 (PERS) (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. 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.

H336 May cause drowsiness and dizziness.

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

[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.

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

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 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.

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

[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
N-Butyl Acetate CAS Number: 0000123-86-4	10 - 25	Flam. Liq. 3;H226 STOT SE 3;H336	[1][2]
2-Propanone 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]
Solvent naphtha (petroleum), light aliphatic CAS Number: 0064742-89-8	10 - 25	Asp. Tox. 1;H304	[1]
Butane CAS Number: 0000106-97-8	1.0 - 10	Flam. Gas 1;H220 Press. Gas;H280	[1][2]
Propane, 2-methyl- CAS Number: 0000075-28-5	1.0 - 10	Flam. Gas 1;H220 Press. Gas;H280	[1][2]
2-Methoxy-1-Methylethyl Acetate CAS Number: 0000108-65-6	1.0 - 10	Flam. Liq. 3;H226	[1]
Stoddard solvent CAS Number: 0008052-41-3	1.0 - 10	Carc. 1B;H350 Muta. 1B;H340 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.



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	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 fresh water for at least 15 minutes, holding the eyelids apart and seek medical attention.
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 accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
4.2. Most important syr	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

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

Carbon Monoxide and Carbon Dioxide

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.



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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.

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

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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 watercourses.

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

As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions. Keep unauthorized personnel away.

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.



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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. Incompatible materials: Strong oxidizing agents See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

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8.1. Control parameters

CAS No.	Ingredient	Source	Value
0000067-64-1	2-Propanone	OSHA	TWA 1000 ppm (2400 mg/m3)STEL 2400 mg/m3
		ACGIH	TWA: 250 ppmSTEL: 500 ppm Skin
		NIOSH	250 ppm (590 mg/m3) TWA
		Supplier	No Established Limit
0000074-98-6 Propane		OSHA	TWA 1000 ppm (1800 mg/m3)
		ACGIH	No Established Limit
		NIOSH	TWA 1000 ppm (1800 mg/m3)
		Supplier	No Established Limit
0000075-28-5	Propane, 2-methyl-	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	TWA 800 ppm (1900 mg/m3)
		Supplier	No Established Limit



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0000106-97-8	Butane	OSHA	No Established Limit
		ACGIH	TWA: 600 ppmSTEL: 750 ppm
		NIOSH	TWA 800 ppm (1900 mg/m3)
		Supplier	No Established Limit
0000108-65-6	2-Methoxy-1-Methylethyl 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/m3
		ACGIH	TWA: 20 ppmS
		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/m3STEL: 580 mg/m3
		NIOSH	TWA 350 mg/m3 C 1800 mg/m3 [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

Carcinogen Data

CAS No.	Ingredient	Source	Value		
0000067-64-1	2-Propanone	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;		
0000074-98-6	Propane	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;		
0000075-28-5	Propane, 2-methyl-	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;		
0000106-97-8	Butane	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	2-Methoxy-1-Methylethyl Acetate	Methoxy-1-Methylethyl 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;		



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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	OSHA	Select Carcinogen: No		
	aliphatic	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]:

|--|

Appearance	Yellow Liquid/Gas
Odor	Paint
Odor threshold	Not Measured
рН	Not Measured
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Not Measured
Flash Point	Not Measured
Evaporation rate (Ether = 1)	Slower than ether
Flammability (solid, gas)	Flam. Aerosol 1; H222 Extremely flammable aerosol.
Upper/lower flammability or explosive limits	Lower Explosive Limit: 1.1%
	Upper Explosive Limit: 12.8%



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Vapor pressure (Pa) Vapor Density Specific Gravity Solubility in Water Partition coefficient n-octanol/water (Log Kow) Auto-ignition temperature Decomposition temperature Viscosity (cSt) VOC Maximum Incremental Reactivity HAPS (Ibs/gal) HAPS (Ibs/gal of Solids) HAPS (Ibs/lb of Solids) Not Measured >1 (Heavier than Air) 0.766 (6.38 lb/gal) Insoluble Not Measured Not Measured Not Measured 64.2% by wt, 4.67 lb/gal, 545 g/L 0.73 0.00 lbs/gal 0.00 lbs/gal 0.00 lbs/gal

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
Avoid contact with open flame, sparks or hot surfaces.
10.5. Incompatible materials
Strong oxidizing agents
10.6. Hazardous decomposition products
Carbon Monoxide and Carbon Dioxide



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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	
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	
2-Propanone - (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	
Propane - (74-98-6)	No data available	No data available	658.00, Rat - Category: NA	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	
Butane - (106-97-8)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available	
Propane, 2-methyl (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	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
N-Butyl Acetate - (123-86-4)	18.00, Pimephales promelas	32.00, Artemia salina	674.70 (72 hr), Scenedesmus subspicatus
2-Propanone - (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
Solvent naphtha (petroleum), light aliphatic - (64742-89- 8)	Not Available	Not Available	4,700.00 (72 hr), Selenastrum capricornutum
Butane - (106-97-8)	6.00, Fish (Piscis)	Not Available	Not Available



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Propane, 2-methyl (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
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

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.

	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	Air Class: 2.1		
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable		

14. Transport information



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14.5. Environmental hazards

IMDG Marine Pollutant: No

14.6. Special precautions for user

No further information

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not Applicable

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory. D2B

WHMIS Classification

US EPA Tier II Hazards Fire: No Sudden Release of Pressure: Yes Reactive: No Immediate (Acute): Yes Delayed (Chronic): Yes

EPCRA 311/312 Chemicals and RQs (lbs):

2-Propanone (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)



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

2-Propanone
Butane
N-Butyl Acetate
Propane
Propane, 2-methyl-
Stoddard solvent
Penn RTK Substances (>1%) :
2-Propanone
Butane
N-Butyl Acetate
Propane
Propane, 2-methyl-
Stoddard solvent

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.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

H340 May cause genetic defects.

H350 May cause cancer.

H372 Causes damage to organs through prolonged or repeated exposure.



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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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