

1 Identification of substance

Trade name: LIGHT GRAY PRIMER
Product code: MD01100000
Manufacturer/Supplier: Liberty Bell Equipment Corporation
 810 North Jefferson Street
 St. Louis, MO 63106
Information department: Health & Safety Department
Emergency information: CHEMTEL 1-800-255-3924, 813-248-0585 if located outside the U.S.

2 Composition/Data on components

Chemical Description: This product is a mixture of the substances listed below with nonhazardous additions.

Dangerous components:			
67-64-1	acetone	☒ Xi, ☒ F; R 11-36-66-67	24.25%
74-98-6	propane	☒ F+; R 12	13.87%
106-97-8	n-butane	☒ F+; R 12	8.15%
64742-89-8	VM&P Naptha	☒ Xn; R 20/22	5.8%
13463-67-7	titanium dioxide	☒ Xi; R 37	5.35%
108-88-3	toluene	☒ Xn, ☒ F; R 11-20	5.08%
14807-96-6	Talc (Mg3H2(SiO3)4)	☒ Xi; R 37	4.49%
1330-20-7	xylene (mix)	☒ Xn; R 10-20/21-38	4.1%
64-17-5	ethyl alcohol	☒ F; R 11	3.99%
123-86-4	n-butyl acetate	☒ Xi; R 10-36-66-67	3.25%
64742-47-8	Mineral Spirits	☒ Xn, ☒ F; R 11-65	2.66%
110-19-0	isobutyl acetate	☒ F; R 11-66	1.62%
67-63-0	isopropyl alcohol	☒ Xi, ☒ F; R 11-36-67	1.14%

Additional information: For the wording of the listed risk phrases refer to section 3.

3 Hazards identification

Hazard description:   Xi Irritant
 F+ Extremely flammable

Physical and environmental dangers: Warning! Pressurized container.
 Has a narcotizing effect.
 R 12 Extremely flammable.
 R 36/37 Irritating to eyes and respiratory system.
 R 67 Vapours may cause drowsiness and dizziness
 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
 Keep out of the reach of children.

NFPA ratings (scale 0 - 4):
 Health = 1
 Fire = 4
 Reactivity = 3

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HMIS-ratings (scale 0 - 4): Health= 1
Fire= 4
Physical Hazard= 3

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4 First aid measures

After inhalation: In case of unconsciousness, place patient in side position for transportation.
After skin contact: Generally the product does not irritate the skin.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: Consult a doctor if symptoms persist.

5 Fire fighting measures

Extinguishing agents: CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.
Protective equipment: No special measures required.

6 Accidental release measures

Personal safety precautions: Wear protective equipment. Keep unprotected persons away.
Environmental safety precautions: Do not allow product to reach sewage systems or ground water. Inform appropriate authorities in case of seepage into water course or sewage system.
Measures for cleaning/collecting: Do not flush with water or aqueous cleansing agents. Use diluted caustic solution. Soak up spills with inert absorbent material. Refer to section 13 for disposal information.

7 Handling and storage

Safe handling information: Ensure good ventilation/exhaustion at the workplace. Handle carton and cans with care. Avoid dropping.
Fire/explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
Storage requirements: Observe official regulations on storing packagings with pressurized containers. Consult with your local authorities. Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions.

8 Exposure controls and personal protection:

Components with limit values that require monitoring at the workplace:

67-64-1 acetone

PEL 2400 mg/m³, 1000 ppm
REL 590 mg/m³, 250 ppm
TLV Short-term value: 1782 mg/m³, 750 ppm
Long-term value: 1188 mg/m³, 500 ppm
BEI

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74-98-6 propane

PEL 1800 mg/m³, 1000 ppm
REL 1800 mg/m³, 1000 ppm
TLV (4508) mg/m³, (2500) ppm

106-97-8 n-butane

REL 1900 mg/m³, 800 ppm
TLV 1900 mg/m³, 800 ppm

108-88-3 toluene

PEL Short-term value: C 300; 500* ppm
Long-term value: 200 ppm
*10-min peak per 8-hr shift
REL Short-term value: 560 mg/m³, 150 ppm
Long-term value: 375 mg/m³, 100 ppm
TLV 188 mg/m³, 50 ppm
Skin; BEI

1330-20-7 xylene (mix)

PEL 435 mg/m³, 100 ppm
REL Short-term value: 655 mg/m³, 150 ppm
Long-term value: 435 mg/m³, 100 ppm
(o-, m-, & p-isomers)
TLV Short-term value: 651 mg/m³, 150 ppm
Long-term value: 434 mg/m³, 100 ppm
BEI

64-17-5 ethyl alcohol

PEL 1900 mg/m³, 1000 ppm
REL 1900 mg/m³, 1000 ppm
TLV 1880 mg/m³, 1000 ppm

123-86-4 n-butyl acetate

PEL 710 mg/m³, 150 ppm
REL Short-term value: 950 mg/m³, 200 ppm
Long-term value: 710 mg/m³, 150 ppm
TLV Short-term value: 950 mg/m³, 200 ppm
Long-term value: 713 mg/m³, 150 ppm

64742-47-8 Mineral Spirits

TLV 200 mg/m³
As total hydrocarbon vapor; Skin; (P)

110-19-0 isobutyl acetate

PEL 700 mg/m³, 150 ppm
REL 700 mg/m³, 150 ppm
TLV 713 mg/m³, 150 ppm

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67-63-0 isopropyl alcohol

PEL	980 mg/m ³ , 400 ppm
REL	Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm
TLV	Short-term value: 984 mg/m ³ , 400 ppm Long-term value: 492 mg/m ³ , 200 ppm

Protective hygienic measures:

Keep away from foodstuffs, beverages, and animal feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

Breathing equipment:

A respirator is generally not necessary when using this product outdoors or in large open areas. In cases of inadequate ventilation, a respiratory protective device should be worn to prevent overexposure.

Protection of hands:

Use suitable respiratory protective device in case of insufficient ventilation.

Eye protection:

Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.
Tightly sealed goggles

9 Physical and chemical properties:**General Information:**

Form:	Aerosol
Color:	According to trade name description in section 1.
Odor:	Solvent
Boiling point/Boiling range:	-44°C (-47°F)
Flash point:	-19°C (-2°F)
Ignition temperature:	365.0°C (689°F)
Auto igniting:	Product is not self-igniting.
Danger of explosion:	Heating may cause an explosion. In use, may form flammable/explosive vapour-air mixture.
Lower Explosion Limit:	1.7 Vol %
Upper Explosion Limit:	13.0 Vol %
Vapor Pressure:	40 PSI, 2750 hPa
Density:	
Specific Gravity:	Between 0.77 and 0.90 (Water equals 1.00)
VOC content:	0.52 kg/l / 4.31 lb/gl
VOC in weight percent (less acetone):	51.7 %
Solids content:	23.6 %

10 Stability and reactivity:

Conditions to be avoided: Do not allow the can to exceed 120 degrees Fahrenheit. Stable at normal temperatures.

Possibility of Hazardous

Reactions: No dangerous reactions known.

11 Toxicological information:

Primary effect on the skin: No irritant effect.

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Trade name: LIGHT GRAY PRIMER

Primary effect on the eye: Irritating effect.
Sensitization: No sensitizing effects known.

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12 Ecological information

Other information: This product does not contain any chlorinated solvents or lead. No specific ecological data is available for this product.
Aquatic toxicity: Harmful to aquatic organisms.
Hazardous for water, do not empty into drains.

13 Disposal considerations

DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans cannot be disposed of with regular trash. Do not heat or cut empty containers with electric or gas torches.
Recommendation: Empty cans should be recycled.

14 Transport information:

Hazard class: 2.1
Identification number: N/A
Label: 2.1
ADR/RID class: 2 5F Gases
UN-Number: 1950
IMDG Class: 2.1
Packaging group: II
EMS Number: F-D,S-U
Marine pollutant: No
ICAO/IATA Class: 2.1
Propper shipping name: Aerosols, Flammable
Consumer Commodity ORM-D

15 Regulations

SARA Section 355 (extremely hazardous substances):

None of the ingredients in this product are listed.

SARA Section 313 (Specific toxic chemical listings):

108-88-3	toluene
1330-20-7	xylene (mix)
67-63-0	isopropyl alcohol
100-41-4	ethyl benzene
67-56-1	methanol

TSCA (Toxic Substances Control Act): All ingredients are listed.

PROPOSITION 65 Chemicals known to cause cancer:

100-41-4	ethyl benzene
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PROPOSITION 65 Chemicals known to cause reproductive toxicity:

108-88-3	toluene
100-41-4	ethyl benzene

Canadian WHMIS: This product has been classified according to the Controlled Product Regulations and the MSDS contains all the necessary information required by the CPR.
Class A, B5---Flammable Aerosols

EPA:

67-64-1	acetone	D
108-88-3	toluene	D
1330-20-7	xylene (mix)	D
110-19-0	isobutyl acetate	D
100-41-4	ethyl benzene	D
557-05-1	zinc distearate, pure	D

IARC: Group 2B: The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity.
Group 3: The ingredient is unclassifiable as to its carcinogenicity to humans.

13463-67-7	titanium dioxide	3
108-88-3	toluene	3
1330-20-7	xylene (mix)	3
67-63-0	isopropyl alcohol	3
1333-86-4	Carbon black	2B

ACGIH TLVs: A1-designates a confirmed human carcinogen.
A2-designates a suspected human carcinogen.
A3-designates an animal carcinogen.
A4-designates "not classifiable as a human carcinogen".

67-64-1	acetone	A4
13463-67-7	titanium dioxide	A4
108-88-3	toluene	A4
1330-20-7	xylene (mix)	A4
64-17-5	ethyl alcohol	A4
110-19-0	isobutyl acetate	A4
1333-86-4	Carbon black	A4

NIOSH:

13463-67-7	titanium dioxide
1333-86-4	Carbon black

USDA (United States Department of Agriculture):

This product was manufactured to conform to the USDA Food Safety and Inspection Service performance standards. These standards include, but are not limited to, the ability of this product to be safe for use in official meat and poultry establishments, and to perform well under a daily regimen of thorough cleaning, cyclical temperature change, and wet conditions.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.