

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 07/27/2004

Reviewed on 07/27/2004

1 Identification of substance

Trade name: UNDERCOATING
Product code: MD01200000
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:		
8052-42-4	Asphalt	19.62%
74-98-6	propane	 F+; R 12 12.6%
1317-65-3	Calcium Carbonate	 Xi; R 36/37/38 11.49%
1332-58-7	Aluminum Silicate	 Xi; R 36/37 7.66%
106-97-8	n-butane	 F+; R 12 7.4%
64742-47-8	Mineral Spirits	 Xn,  F; R 11-65 3.37%
108-88-3	toluene	 Xn,  F; R 11-20 3.36%
67-56-1	methanol	 Xi,  F; R 11-36/37 1.92%
1336-21-6	ammonia	 C,  N; R 34-50 0.11%

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.
 R 12 Extremely flammable.
 R 36/37 Irritating to eyes and respiratory system.
 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
 Flammability- 3
 Reactivity- 3

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

4 First aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.
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.

(Contd. on page 2)
USA

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 07/27/2004

Reviewed on 07/27/2004

Trade name: UNDERCOATING

After swallowing: Consult a doctor if symptoms persist.

(Contd. of page 1)

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: 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:

8052-42-4 Asphalt

REL	Short-term value: C 5* mg/m ³ fume; *15-min
TLV	0.5 I mg/m ³ as benzene-soluble aerosol

74-98-6 propane

PEL	1800 mg/m ³ , 1000 ppm
REL	1800 mg/m ³ , 1000 ppm
TLV	(4508) mg/m ³ , (2500) ppm

1317-65-3 Calcium Carbonate

PEL	15*; 5** mg/m ³ *Total dust **Respirable fraction
REL	10*; 5** mg/m ³ *Total dust **Respirable fraction
TLV	10 mg/m ³ (e)

(Contd. on page 3)
USA

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 07/27/2004

Reviewed on 07/27/2004

Trade name: UNDERCOATING

(Contd. of page 2)

1332-58-7 Aluminum Silicate

PEL	15*; 5** mg/m ³ *Total dust **Respirable fraction
REL	10*; 5** mg/m ³ *Total dust **Respirable fraction
TLV	2 R mg/m ³ (e)

106-97-8 n-butane

REL	1900 mg/m ³ , 800 ppm
TLV	1900 mg/m ³ , 800 ppm

64742-47-8 Mineral Spirits

TLV	200 mg/m ³ As total hydrocarbon vapor; Skin; (P)
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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/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm
TLV	188 mg/m ³ , 50 ppm Skin; BEI

67-56-1 methanol

PEL	260 mg/m ³ , 200 ppm
REL	Short-term value: 325 mg/m ³ , 250 ppm Long-term value: 260 mg/m ³ , 200 ppm Skin
TLV	Short-term value: 328 mg/m ³ , 250 ppm Long-term value: 262 mg/m ³ , 200 ppm Skin; BEI

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.
Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

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

Eye protection:

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)

(Contd. on page 4)

USA

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 07/27/2004

Reviewed on 07/27/2004

Trade name: UNDERCOATING

(Contd. of page 3)

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:	10.9 Vol %
Vapor Pressure:	40 PSI, 2750 hPa
Density:	
Specific Gravity:	Between 0.77 and 0.90 (Water equals 1.00)
VOC content:	0.29 kg/l / 2.39 lb/gl
VOC in weight percent (less acetone):	28.7 %
Water:	30.9 %
Solids content:	40.4 %

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.**Primary effect on the eye:** Irritating effect.**Sensitization:** No sensitizing effects known.**12 Ecological information****Other information:** This product does not contain any chlorinated solvents or lead. No specific ecological data is available for this product.**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

(Contd. on page 5)

USA

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 07/27/2004

Reviewed on 07/27/2004

Trade name: UNDERCOATING

(Contd. of page 4)

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

67-56-1 | methanol

TSCA (Toxic Substances

Control Act): All ingredients are listed.

PROPOSITION 65 Chemicals known to cause cancer:

None of the ingredients in this product are listed.

PROPOSITION 65 Chemicals known to cause reproductive toxicity:

108-88-3 | toluene

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:

108-88-3 | toluene | 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.

8052-42-4 | Asphalt | 3

108-88-3 | toluene | 3

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".

8052-42-4 | Asphalt | A4

1332-58-7 | Aluminum Silicate | A4

108-88-3 | toluene | A4

NIOSH:

8052-42-4 | Asphalt

**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.

USA

(Contd. on page 6)

Material Safety Data Sheet
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Printing date 07/27/2004

Reviewed on 07/27/2004

Trade name: UNDERCOATING

(Contd. of page 5)

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.

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