Printing date 07/27/2004

Reviewed on 07/27/2004

74-98-6 propane Image: F+; R 12 18.9 64742-89-8 VM&P Naptha Image: Xn; R 20/22 12.0 1317-65-3 Calcium Carbonate Image: Xi; R 36/37/38 11.9 106-97-8 n-butane Image: F+; R 12 11.1 108-88-3 toluene Image: Xn; Image: F; R 11-20 8.76	/27/2004
Product code: MD01010000 Manufacturer/Supplier: Liberty Bell Equipment Corporation 810 North Jefferson Street St. Louis, MO 63106 Information department: Health & Safety Department CHEMTEL 1-800-255-3924, 813-248-0585 if located outside the U.S. 2 Composition/Data on components CHEMTEL 1-800-255-3924, 813-248-0585 if located outside the U.S. Dangerous components: Xi, []e F, R 11-36-66-67 22.7 67-64-1 acetone Xi, []e F, R 11-36-66-67 22.7 74-98-6 propane []e F+; R 12 18.5 64742-89-8 VM&P Naptha Xi, []e F, R 11-36-66-67 22.7 1317-65-3 Calcium Carbonate Xi; R 36/37/38 11.9 106-97-8 n-butane []e F+; R 12 11.1 108-88-3 Toluene Xi, []e F; R 11-36-667 2.96 64742-47-8 Mineral Spirits Xi, []e F; R 11-65 2.96 64742-47-8 Mineral Spirits Xi, []e F; R 11-36-67 2.26 64742-47-8 Mineral Spirits Xi, []e F; R 11-36-67 2.26 67-63-0 isopropyl alcohol Xi, []e F; R 11-36-67 2.26	
Product code: MD01010000 Manufacturer/Supplier: Liberty Bell Equipment Corporation 810 North Jefferson Street St. Louis, MO 63106 Information department: Health & Safety Department CHEMTEL 1-800-255-3924, 813-248-0585 if located outside the U.S. 2 Composition/Data on components CHEMTEL 1-800-255-3924, 813-248-0585 if located outside the U.S. 2 Composition/Data on components Xi, []] F; R 11-36-66-67 22.7 67-64-1 acetone Xi, []] F; R 11-36-66-67 22.7 67-64-1 acetone Xi, []] F; R 11-36-66-67 22.7 74-98-6 propane []] F; R 12 18.5 64742-89-8 VM&P Naptha Xi; R 36/37/38 11.9 106-97-8 n-butane []] F; R 11-20 8.7 64742-47-8 Mineral Spirits Xi, []] F; R 11-36-67 2.96 64742-47-8 Mineral Spirits Xi, []] F; R 11-36-67 2.96 64742-47-8 Mineral Spirits Xi, []] F; R 11-36-67 2.92 647-63-0 isopropyl alcohol Xi, []] F; R 11-36-67 2.92	
Manufacturer/Supplier: Liberty Bell Equipment Corporation 810 North Jefferson Street St. Louis, MO 63106 Information department: Health & Safety Department 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: Imagerous components 67-64-1 acetone 67-64-1 acetone 106-97-8 Imagerous componente 106-97-8 n-butane 106-97-8 n-butane 106-97-8 n-butane 64742-47-8 Mineral Spirits 106-97-8 Nineral Spirits 204742-47-8 Xin, Imagerous Xin, Imagerous Xin, Imagerous Xin, Imagerous Xin, Imagerous	
810 North Jefferson Street St. Louis, MO 63106 Information department: Emergency information: Health & Safety Department 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: Image: Safety Department 67-64-1 acetone 67-64-1 acetone 64742-89-8 VM&P Naptha 1317-65-3 Calcium Carbonate 108-88-3 toluene 64742-47-8 Mineral Spirits 64742-47-8 Mineral Spirits 74-98-6 X, M. F; R 11-20 8X, N. J. F; R 11-36-67 22.7	
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 actone Xi, I F; R 11-36-66-67 22.7 74-98-6 propane I Xi, I F; R 11-36-66-67 22.7 64742-89-8 VM&P Naptha I SX i, R 20/22 12.0 1317-65-3 Calcium Carbonate Xi, Xi, R 20/22 12.0 1317-65-3 Calcium Carbonate Xi, Xi, R 20/38 11.9 106-97-8 n-butane Xi, Xi, R 11-20 8.76 64742-47-8 Mineral Spirits Xi, Yi, R 11-20 8.76 64742-47-8 Mineral Spirits Xi, Yi, F; R 11-36-67 2.26	
Chemical Description: This product is a mixture of the substances listed below with nonhazardous additions.Dangerous components: $67-64-1$ acetoneXi, F; R 11-36-66-6722.7 $74-98-6$ propaneF+; R 1218.5 $64742-89-8$ VM&P NapthaXi; R 20/2212.0 $1317-65-3$ Calcium CarbonateXi; R 36/37/3811.9 $106-97-8$ n-butaneF+; R 1211.1 $108-88-3$ tolueneY, K, F; R 11-208.76 $64742-47-8$ Mineral SpiritsXi, F; R 11-652.96 $67-63-0$ isopropyl alcoholXi, F; R 11-36-672.26	
Dangerous components: 67-64-1 acetone 74-98-6 propane 64742-89-8 VM&P Naptha 64742-89-8 VM&P Naptha 1317-65-3 Calcium Carbonate 106-97-8 n-butane 108-88-3 toluene 64742-47-8 Mineral Spirits 64742-47-8 Mineral Spirits Xx, more F; R 11-36-67 2.27 64742-47-8 Mineral Spirits Xx, more F; R 11-36-67 2.26 64742-47-8 Mineral Spirits Xx, more F; R 11-36-67 2.26	
67-64-1 acetone Xi, je F; R 11-36-66-67 22.7 74-98-6 propane je F; R 12 18.9 64742-89-8 VM&P Naptha Xi; R 20/22 12.0 1317-65-3 Calcium Carbonate Xi; R 36/37/38 11.9 106-97-8 n-butane je F+; R 12 11.1 108-88-3 toluene Xi, je F; R 11-20 8.76 64742-47-8 Mineral Spirits Xi, je F; R 11-65 2.96 67-63-0 isopropyl alcohol Xi, je F; R 11-36-67 2.26	
74-98-6 propane Image: F+; R 12 18.9 64742-89-8 VM&P Naptha Image: Xn; R 20/22 12.0 1317-65-3 Calcium Carbonate Image: Xi; R 36/37/38 11.9 106-97-8 n-butane Image: F+; R 12 11.1 108-88-3 toluene Image: Xn; Image: F; R 11-20 8.76 64742-47-8 Mineral Spirits Image: Xn; Image: F; R 11-65 2.96 67-63-0 isopropyl alcohol Image: Xi, Image: F; R 11-36-67 2.26	
64742-89-8 VM&P Naptha Xn; R 20/22 12.0 1317-65-3 Calcium Carbonate Xi; R 36/37/38 11.9 106-97-8 n-butane F+; R 12 11.1 108-88-3 toluene Xn, B F; R 11-20 8.76 64742-47-8 Mineral Spirits Xn, B F; R 11-65 2.96 67-63-0 isopropyl alcohol Xi, B F; R 11-36-67 2.26	2.77%
1317-65-3 Calcium Carbonate Xi; R 36/37/38 11.9 106-97-8 n-butane Image: F+; R 12 11.1 108-88-3 toluene Xi, Image: F; R 11-20 8.76 64742-47-8 Mineral Spirits Xi, Image: F; R 11-65 2.96 67-63-0 isopropyl alcohol Xi, Image: F; R 11-36-67 2.26	18.9%
106-97-8 n-butane Image: F+ R 12 11.1 108-88-3 toluene Image: Xn, Image: F+ R 11-20 8.76 64742-47-8 Mineral Spirits Image: Xn, Image: F+ R 11-65 2.96 67-63-0 isopropyl alcohol Image: Xi, Image: F+ R 11-36-67 2.26	2.01%
108-88-3 toluene Xn, imit F; R 11-20 8.76 64742-47-8 Mineral Spirits Xn, imit F; R 11-65 2.96 67-63-0 isopropyl alcohol Xi, imit F; R 11-36-67 2.26	
64742-47-8 Mineral Spirits 2.96 67-63-0 isopropyl alcohol Xi, b F; R 11-65 2.96	
67-63-0 isopropyl alcohol X Xi, b F; R 11-36-67 2.26	8.76%
	2.96%
Additional information: For the wording of the listed risk phrases refer to section 3.	
3 Hazards identification Hazard description: Image: Second state Image: Secon	
Physical and environmental dangers: Warning! Pressurized container. R 12 Extremely flammable. R 20 Harmful by inhalation. R 36 Irritating to eyes. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or b even after use. Keep out of the reach of children. NFPA ratings (scale 0 - 4): Health = 1 Fire = 4 Reactivity = 3	ər burn,
HMIS-ratings (scale 0 - 4): Health= 1 Fire= 4 Physical Hazard= 3	

4 First aid measures

General information: After inhalation:	Symptoms of poisoning may occur even after several hours. Medical observation for at least 48 hours after the accident is recommended. In case of unconsciousness, place patient in side position for transportation.
After skin contact:	Supply fresh air. If necessary, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. Generally the product does not irritate the skin. (Contd. on page 2)
	USA

Printing date 07/27/2004

 74-98-6 propane

 PEL
 1800 mg/m³, 1000 ppm

 REL
 1800 mg/m³, 1000 ppm

 TLV
 (4508) mg/m³, (2500) ppm

Reviewed on 07/27/2004

(Contd. on page 3)

USA

Trade name: FLAT BLACK ENAMEL	
After eye contact: After swallowing:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. (Contd. of page 1) Consult a doctor if symptoms persist.
5 Fire fighting measures Extinguishing agents: Protective equipment:	CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam. A respiratory protective device may be necessary when spraying in a confined or poorly ventilated workspace to avoid overexposure.
6 Accidental release measures Personal safety precautions: Wear protective equipment. Keep unprotected persons away. Environmental safety precautions: Wear protective equipment. Keep unprotected persons away. 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: Fire/explosion protection: Storage requirements:	Ensure good ventilation/exhaustion at the workplace. Handle carton and cans with care. Avoid dropping. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. 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 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	

Printing date 07/27/2004

Reviewed on 07/27/2004

Trade name: FLAT BLACK ENAMEL

	(Contd. of page 2)		
1317-65-3 Calcium Carbo			
PEL 15*; 5** mg/m ³			
*Total dust **Respir	rable fraction		
REL 10*; 5** mg/m ³			
*Total dust **Respir	rable fraction		
TLV 10 mg/m^3 (e)			
106-97-8 n-butane			
REL 1900 mg/m ³ , 800 pp			
TLV 1900 mg/m ³ , 800 pp	m		
108-88-3 toluene			
PEL Short-term value: C			
Long-term value: 20	0 ppm		
*10-min peak per 8-	hr shift		
REL Short-term value: 56 Long-term value: 37	5 mg/m^3 100 ppm		
TLV 188 mg/m ³ , 50 ppm	Sing in , 100 ppin		
Skin; BEI			
64742-47-8 Mineral Spiri	ts		
TLV 200 mg/m ³			
As total hydrocarbor	n vapor; Skin; (P)		
67-63-0 isopropyl alcohol			
PEL 980 mg/m ³ , 400 ppm	1		
REL Short-term value: 12	25 mg/m ³ , 500 ppm		
TLV Long-term value: 98 TLV Short-term value: 98	0 mg/m ² , 400 ppm		
Long-term value: 49	$2 \text{ mg/m}^3 200 \text{ npm}$		
Protective hygienic			
measures:	Keep away from foodstuffs, beverages, and animal feed.		
	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		
Protection of hands:	respiratory protective device should be worn to prevent overexposure. 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		
-je protection.			

9 Physical and chemical properties:

General Information:		
Form: Color: Odor: Boiling point/Boiling range:	Aerosol According to trade name description in section 1. Solvent -44°C (-47°F)	
Flash point:	-19°C (-2°F)	
Ignition temperature:	365.0°C (689°F)	
	(Contd	. on page 4) USA

Printing date 07/27/2004

Reviewed on 07/27/2004

Trade name: FLAT BLACK ENAMEL

	(Contd. of page 3)
Auto igniting:	Product is not self-igniting.
Danger of explosion:	Heating may cause an explosion.
Lower Explosion Limit:	In use, may form flammable/explosive vapour-air mixture. 0.9 Vol %
Upper Explosion Limit:	13.0 Vol %
Vapor Pressure: Density:	40 PSI, 2750 hPa
Specific Gravity:	Between 0.77 and 0.90 (Water equals 1.00)
VOC content: VOC in weight percent (les	0.57 kg/l / 4.76 lb/gl ss acetone): 57.0 %
Solids content:	20.2 %
10 Stability and reactivity: Conditions to be avoided: Possibility of Hazardous Reactions:	Do not allow the can to exceed 120 degrees Fahrenheit. Stable at normal temperatures. No dangerous reactions known.
11 00 1 1 1 1 0 4	
11 Toxicological information Primary effect on the skins	
Primary effect on the eye:	Irritating effect.
Sensitization: Additional toxicological	No sensitizing effects known.
information:	Harmful
12 Ecological information	
Other information:	This product does not contain any chlorinated solvents or lead. No specific ecological data is available for this product.
Acquatic toxicity:	Harmful to aquatic organisms. Hazardous for water, do not empty into drains.
	Hazardous for water, do not empty into drains.
13 Disposal considerations	
DISPOSAL METHOD: Di	spose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans cannot be
disposed of with regular tras Recommendation:	sh. Do not heat or cut empty containers with electric or gas torches. Empty cans should be recycled.
14 Transport information:	
Hazard class:	2.1
Identification number: Label	N/A 2.1
ADR/RID class:	2 5F Gases
UN-Number: IMDG Class:	1950 2.1
Packaging group:	
	(Contd. on page 5) USA -

Printing date 07/27/2004

Reviewed on 07/27/2004

(Contd. of page 4)

Trade name: FLAT BLACK ENAMEL

EMS Number: Marine pollutant: ICAO/IATA Class: Propper shipping name:	F-D,S-U No 2.1 Aerosols, Flammable Consumer Commodity ORM-D
15 Regulations	
SARA Section 355 (extrem	nely hazardous substances):
None of the ingredients in t	his product are listed.
SARA Section 313 (Specif	ic toxic chemical listings):
108-88-3 toluene	
67-63-0 isopropyl alcoh	l
1330-20-7 xylene (mix)	
100-41-4 ethyl benzene	
TSCA (Toxic Substances	All in sur diante and listed
Control Act):	All ingredients are listed.
100-41-4 ethyl benzene	
	icals 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, B5Flammable Aerosols
EPA:	
67-64-1 acetone 108-88-3 toluene	D D
1330-20-7 xylene (mix)	D D
100-41-4 ethyl benzene	D
110-19-0 isobutyl acetate	
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.
108-88-3 toluene	3
67-63-0 isopropyl alc	
1333-86-4 Carbon black	
1330-20-7 xylene (mix)	
	ide Amorphous Synthetic 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". (Contd. on page 6)
	(Cond. on page 6) USA -

Printing date 07/27/2004

Reviewed on 07/27/2004

Trade name: FLAT BLACK ENAMEL

	(Contd. of page 5)
67-64-1 acetone	A4
108-88-3 toluene	A4
1333-86-4 Carbon black	A4
1330-20-7 xylene (mix)	A4
110-19-0 isobutyl acetate	A4
NIOSH:	
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. USA -