

Safety Data Sheet

LM-1

SDS Revision Date:

01/22/2015

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

1.1. Product identifier

Product Identity LM-1

Alternate Names LM-1

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

Intended use See Technical Data Sheet.

Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Harris Paints Company
PO Box 364723
San Juan, P.R. 00936-4723

Emergency

CHEMTREC (USA) (800) 424-9300

Customer Service: Harris Paints Company 787-798-1005

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Flam. Gas 1;H220	Extremely flammable gas.
Press. Gas;H280	Contains gas under pressure; may explode if heated.
Acute Tox. 4;H302	Harmful if swallowed.
Skin Irrit. 2;H315	Causes skin irritation.
CARC 1B, H 350	May cause cancer
Simple Asphyxiant	May displace oxygen and cause rapid suffocation.
Cell Mut, 1B H340	May cause genetic defects
Asp Hazard 1, H304	May be fatal if swallowed and enters airways

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Danger

[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 / hot surfaces - No smoking.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
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+312 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308+313 IF exposed or concerned: Get medical advice / attention.
P314 Get Medical advice / attention if you feel unwell.
P321 Specific treatment (see information on this label).
P330 Rinse mouth.
P362 Take off contaminated clothing and wash before reuse.
P377 Leaking gas fire - do not extinguish unless leak can be stopped safely.
P381 Eliminate all ignition sources if safe to do so.
P391 Collect spillage.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.
P410 Protect from sunlight.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients
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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
Solvent Dewaxed Heavy Paraffinic CAS Number: 64742-65-0	20.02%	Carcn 1B, H 350	[2]
Barium Dinonyl Napthalene sulfonate / Base Oil Cas Number: 25619-56-1	2.12%	Skin Irrit. 2;H315 Eye Irrit. 2;H319	[1]
Propane CAS Number: 0000074-98-6	34.86%	Flam. Gas 1;H220 Press. Gas;H280	[1][2]
Butane CAS Number: 0000106-97-8	23.24%	Flam. Gas 1;H220 Press. Gas;H280	[1][2]
Solvent Naptha CAS Number: 64742-89-8	17.0%	Carcinogenicity - category 1B, H 350 Germ cell mutagenicity - category 1B, H340 Aspiration hazard - category 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	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	Do not induce vomiting, give plenty of water. Seek medical attention.

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

Overview	<p>Skin: Can dry and defeat skin causing cracks, irritation and dermatitis.</p> <p>Ingestion: Can cause gastrointestinal irritation, vomiting, nausea and diarrhea.</p> <p>Inhalation: Dizziness, nausea, breathing difficulty, headaches & loss of coordination. Prolonged overexposure to vapor or mist may produce chemical pneumonitis.</p> <p>Eye: Slight eye irritation, redness and blurred vision.</p> <p>Not listed as a carcinogen by NTP, IARC, and OSHA</p> <p>Medical Conditions Generally Aggravated by Exposure: Anesthesia, respiratory tract irritation, dermatitis, nausea, vomiting.</p> <p>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.</p> <p>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.</p>
Inhalation	May cause drowsiness or dizziness.
Skin	Causes skin irritation.
Ingestion	Harmful if swallowed.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.
Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: May cause hazardous fumes when heated to decomposition. Fumes may contain carbon monoxide, carbon dioxide, oxides of nitrogen and oxides of metals listed in section II. Fumes may also contain oxides of nitrogen.

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

Respiratory equipment should be worn to avoid inhalation of concentrated vapors. Water should not be used except as fog to keep nearby containers cool.

Due to pressure build-up, closed containers exposed to extreme heat may explode. During emergency conditions, over-exposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

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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

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local state and federal hazardous regulations. Obey relevant law. Use proper personal protective equipment as indicated in section 8. Stop spill at source. Eliminate ignition sources, provide good ventilation, dike spill area and add absorbent earth or sawdust to spilled liquid. Thoroughly wet with water and mix.

All personal not wearing protective equipment should be excluded from the area of the spill until cleanup has been completed.

7. Handling and storage

7.1. Precautions for safe handling

Wash thoroughly after handling. Wash hands before eating. Use only in a well-ventilated area. Follow all SDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing vapor or mist. 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: Alkaline materials, strong acids and oxidizing materials.

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000074-98-6	Propane	OSHA	TWA 1000 ppm (1800 mg/m3)
		ACGIH	Ensure Minimal Oxygen Content (ACGIH appendix F)
		NIOSH	TWA 1000 ppm (1800 mg/m3)
		Supplier	No Established Limit
0000106-97-8	Butane	OSHA	No Established Limit
		ACGIH	TWA: 600 ppm STEL: 750 ppm
		NIOSH	TWA 800 ppm (1900 mg/m3)
		Supplier	No Established Limit
64742-89-8	Solvent Naptha	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
64742-65-0	Solvent Dewaxed Heavy Paraffinic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
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;
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;
64742-89-8	Solvent Naptha	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: Yes; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

64742-65-0	Solvent Paraffinic	Dewaxed	Heavy	OSHA	Select Carcinogen: No
				NTP	Known: No; Suspected: No
				IARC	Group 1: Yes; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory	When spraying this material use a NIOSH approved cartridge respirator or gasmask suitable to keep airborne mists and vapor concentration below threshold limit values. When using in poorly ventilated and confined spaces, use a fresh air supplying respirator or a self-contained breathing apparatus.
Eyes	Use chemical safety glasses, goggles, and face shields for eye protection.
Skin	Use impermeable aprons and protective clothing whenever possible to prevent skin contact. The uses of head caps whenever possible are strongly recommended. Chemical resistant gloves.
Engineering Controls	General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. Ventilation equipment must be explosion proof.
Other Work Practices	Eye washes and safety showers in the workplace are recommended. 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]:

9. Physical and chemical properties

Appearance	Gas
Odor	Strong
Odor threshold	Not Measured
pH	Not Measured
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Not Measured
Flash Point	-156F (Setaflash)
Evaporation rate (Ether = 1)	Faster than ether
Flammability (solid, gas)	Gas
Upper/lower flammability or explosive limits	Lower Explosive Limit: 1.2 in air by volume Upper Explosive Limit: 8.0 in air by volume
Vapor pressure (Pa)	3.4 mmHg
Vapor Density	Heavier than air
Specific Gravity	0.781 (H ₂ O = 1)
Solubility in Water	Insoluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (Cup 4, CF sec)	10 sec

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

Excessive heat, poor ventilation, corrosive atmospheres, excessive aging.

10.5. Incompatible materials

Alkaline materials, strong acids and oxidizing materials.

10.6. Hazardous decomposition products

May cause hazardous fumes when heated to decomposition. Fumes may contain carbon monoxide, carbon dioxide, oxides of nitrogen and oxides of metals listed in section II. Fumes may also contain oxides of nitrogen.

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.

2-butoxyethanol and its acetate are readily absorbed through the skin and will cause harmful effects on the blood.

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
Propane - (74-98-6)	No data available	No data available	658.00, Rat - Category: NA	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
Solvent naphtha (petroleum), light aliphatic - (64742-89-8)	> 5,000.00, Mouse - Category: NA	3,000.00, Rabbit - Category: 5	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).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable

Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	2	Irritation
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	1	H340
Carcinogenicity	1B	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	1	Not Applicable

12. Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

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
Solvent naphtha (petroleum), light aliphatic - (64742-89-8)	Not Available	Not Available	4,700.00 (72 hr), Selenastrum capricornutum
Propane - (74-98-6)	Not Available	Not Available	Not Available
Butane - (106-97-8)	6.00, Fish (Piscis)	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

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

14. Transport information

	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, NA	Aerosols, Limited Quantity	Aerosols, Limited Quantity
14.3. Transport hazard class(es)	DOT Hazard Class: 2.1 DOT Label: 2.1	IMDG: 2.1 Sub Class: Not Applicable	Air Class: 2.1
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user			
	No further information		

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	A D2A
US EPA Tier II Hazards	<p style="text-align: right;">Fire: Yes</p> <p style="text-align: right;">Sudden Release of Pressure: Yes</p> <p style="text-align: right;">Reactive: No</p> <p style="text-align: right;">Immediate (Acute): No</p> <p style="text-align: right;">Delayed (Chronic): Yes</p>
EPCRA 311/312 Chemicals and RQs (lbs):	
	Hexane (5,000.00)
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:	N/A
Proposition 65 - Carcinogens (>0.1%):	Heavy Paraffinic
Proposition 65 - Female Repro Toxins (>0.0%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
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.
N.J. RTK Substances (>1%):	Butane

Propane

Penn RTK Substances (>1%):

Butane

Propane

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.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H350 May cause cancer

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

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

To the best of our knowledge, the information contained here is accurate, obtained from sources believed to be accurate. We neither guarantee that any hazards mentioned are the only ones which exist. The manner of that use and whether there is any infringement of patents is the sole responsibility of the user.

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