SAFETY DATA SHEET

DATE PRINTED	6/23/2017
SDS REF. No :	VM100

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: VM&P Naphtha
Product Code: VM100

Manufacturer
LANCO MFG.CORP.
URB. APONTE # 5

SAN LORENZO, PUERTO RICO, 00754
787-736-4221

24 HR. Emergency Telephone Number
CHEMTREC (US Transportation):1 (800)424-9300
CHEMTREC (International Transportation) : 1(703)527-3887

2. HAZARDS IDENTIFICATION

Classification (substance or mixture):
Category 2 (Flammable liquids)
Category 2 Skin Irritation
Category 2A Eyes irritation
Category 1B Germ cell mutagenicity
Category 1B Carcinogenicity
Category 1 Aspiration Hazard
Category 3 Target organ Systemic Toxicity (single exposure)

GHS Label Elements:

Signal Word: Danger

Hazard Statements:
H225 Highly flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H340 May cause genetic defects.

H350 May cause cancer.

Precautionary Statement:
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.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: Removed victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do continue rinsing.
P308+P313 If exposed or concerned: Get medical advice/attention.
P331 Do Not induce vomiting.
P332+ P313 If skin irritation occurs: Get medical advice/ attention.
P337+ P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403+P233: Store in a well ventilated place. Keep container tightly closed.
P403+P235: Store in a well ventilated place. Keep cool.
P405: Store locked up.
P501: Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
Distillates, pet, It dist hydrotreat process, low-boil AND/OR Naphtha (pet), hydrotreated It AND/OR Solvent naphtha (pet), It aliph.	90-100%	68410-97-9 64742-49-0 64742-89-8
** Octane	1-5 %	111-65-9

* Toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

4. FIRST AID MEASURES

Eyes: In case of eye contact, flush with large amount of water for at least 15 minutes. Get medical assistant.

Skin: Immediately wash skin with soap and plenty of water.
Get medical attention if irritation develops or persist.

Ingestion: Do not induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Inhalation: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

Notes To Physician: Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media: Carbone Dioxide, Dry Chemical, Foam, Water Fog.

Unsuitable Extinguishing Media: High volume water jet media.

Specific Hazard In Case Of Fire: Closed containers may explode when exposed to extreme heat. Vapor may form explosive mixture with air. No unusual fire or explosion hazard noted. keep containers closed when not in use.

Special Protective Equipment And Precaution For Fire Fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure build-up an possible auto-ignition or explosion when exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental Precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Method And Materials 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/national regulations.

7. HANDLING AND STORAGE

Precaution For Safe Handling: Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mist or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions For Safe Storage, Including Incompatibilities: Handle containers carefully to prevent damage and spillage. Incompatible materials: Alkaline materials, strong acid and oxidizing materials.

Minimize sources of ignition, such as static build-up, heat, spark or flame. Keep container closed. Flammable mixtures may exist within the vapor space of containers at room temperature. Avoid prolonged storage with exposure to air due to peroxide formation. Test every 12 monts for the presence of peroxide.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

Exposure Limits

Components	CAS	Limits
**Octane	111-65-9	ACGIH TWA 300 ppm NIOSH REL TWA 75 ppm ; 350 mg/m3 NIOSH REL C 385 ppm; 1,800 mg/m3 OSHA Z-1 TWA 500 ppm;2,350 mg/m3 OSHA PO TWA 300 ppm; 1,450 mg/m3 OSHA PO STEL 375 ppm ; 1,800 mg/m3

Engineering Controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such system are not effective wear suitable personal protective equipment, which performs satisfactorily and meet OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Personal Protective Equipment:

Respiratory Protection: No personal respiratory protective equipment normally required. In the case of vapour formation use a respirator with an approved filter.

Eyes Protection: Eye wash bottle with pure water. Tightly fitting safety goggles. Wear feca-shield and protective suit for abnormal processing problems.

Skin Protection: Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Work Hygienic Practices: Ensure shower and eyewash station are available. Use good personal hygiene practices. Wash hand before eating, drinking. Promptly remove soiled clothing and wash thoroughly before reuse.

Other Use Precautions: None

Comments: No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Clear,Colorless

Flash Point And Method: 14-20.5°C (57-68.9°F)

Auto-Ignition Temperature: 246-470 °C

Boiling Point/Range (760 mmHg): 118-150°C (244-302°F)

Melting Point: < -60°C (<-76°F)

Vapor Pressure: 11-16 mmHg @ 20-25°C (68-77°F)

Vapor Density: Heavier than Air 4

Solubility in Water: 0.05 g/l negligible

Odor: Hydrocarbon-like

Upper /Lower Flammable Limits: 6.7-7.6%(V)/ 0.9-1.4% (V)

Relative Density (g/cm3): 0.7358-0.76 @ 15.6°C (60.1°F)

Evaporation Rate: 0.987-1 n-Butyl Acetate

Flammability (Solids, Gas): Not available

Partition Coefficient: log Pow:>4

pH: Not applicable

Decomposition Temperature: Not available

Coating VOC (gm/l): Not applicable

Material VOC (gm/l): Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended storage conditions.

Possibility Of Hazardous Reactions: No decomposition if stored and applied as directed.

Conditions To Avoid: Keep away from heat, flame, sparks and other ignition sources.

Materials To Avoid: Keep away from the following materials to prevent strong exothermic reaction: oxidizing agents, strong alkalis, strong acids.

Hazardous Decomposition Products: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Signs And Symptoms Of Overexposure: No information available.

Acute Effects:

Eye Contact: Cause serious eyes irritation.

Skin Contact: Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation. Allergic reactions are possible.

Inhalation: Harmful if inhaled. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Harmful if swallowed.

Target Organ: No information available.

Chronic Effects: No information available.

Toxicity Values: The acute effects of this product have not been tested. Data on individual components are tabulated below.

TOXICOLOGICAL INFORMATION

Distillates, pet, It dist hydrotreat process, low-boil AND/OR Naphtha (pet), hy-drotreated It AND/OR Solvent naphtha (pet), It aliph. (68410-97-9/64742-49-0/64742-89-8)	
LD50 Rat Oral	>5,000 mg/kg , OECD Test Guideline 401
LC50 Rat inhalation	The substance or mixture has no acute inhalation toxicity
LD50 Rabbit Dermal (male and female)	>2,000 mg/kg, OECD Test Guideline 402

CARCINOGENICITY: The information below indicates whether each agency has listed any ingredient as a carcinogen:

Components	CAS	Carcinogen (IARC and ACGIH)
Distillates, pet, It dist hydrotreat process, low-boil AND/OR Naphtha (pet), hy-drotreated It AND/OR Solvent naphtha (pet), It aliph.	68410-97-9 64742-49-0 64742-89-8	2B:Possibly carcinogenic to humans

12. ECOLOGICAL INFORMATION

Persistence And Degradability: No information available.

Bio-Accumulative Potential: No information available.

Mobility In Soil: No information available.

Other Adverse Effects: No information available.

Eco-toxicological Other Information: No information available.

ECOLOGICAL INFORMATION

Distillates, pet, It dist hydrotreat process, low-boil AND/OR Naphtha (pet), hy-drotreated It AND/OR Solvent naphtha (pet), It aliph. (68410-97-9/64742-49-0/64742-89-8)	
LC50 Fish (Oncorhynchus mykiss (rainbow trout))	8.2 mg/l, 96 hour, Semi-static Test
EC50 (Daphnia magna (Water flea))	4.5 mg/l, 48 hour, Immobilization
EC50 (Pseudokirchneriella subcapitata(green algae))	3.7 mg/l, 96 hour, Static Test

13. DISPOSAL CONSIDERATIONS

Disposal Method: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and /or state and local guidelines.

14. TRANSPORT INFORMATION

	DOT	**IMDG**	**AIR (IATA)**
UN Number	UN1268	1268	1268
UN Proper Shipping Name	Petroleum Distillates	Petroleum Distillates	Petroleum Distillates
Hazard Class	3	3	3
Packing Group	II	II	II
Environmental Hazard	No	No	No
Marine Pollutant (Y/N)	No	Yes (Naphta (petroleum)	No

15. REGULATORY INFORMATION

U.S. Regulations:

U.S. SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 Hazard Categories: Hazardous Information

Fire: Yes **Pressure Generating:** No

Reactivity: No **Acute:** Yes **Chronic:** Yes

313 Reportable Ingredients: This product contains a chemical or chemicals which are subject to the reporting requirements of section 313 of title 40 CFR 372.

313 REPORTABLE INGREDIENTS

Chemical Name	**Weight %**	**CAS**
*Methyl isobutyl ketone	100%	108-10-1

302/304 Emergency Planning:

Components	Calculated product RQ(lbs)	Component RQ(lbs)	CAS
**Mixed Xylenes	*	100	1330-20-7

Emergency Plan: No

State Regulations: No

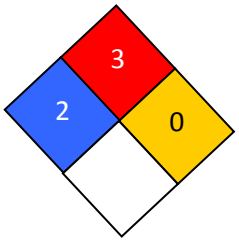
Other Govt. Regulations: No

16. OTHER INFORMATION

HMIS RATING	
Health :	2*
Flammability :	3
Reactivity :	0
Personal Protection :	H

*= Chronic

NFPA CODES



DATE CREATED	06-18-15

Revision Indicator: None

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