

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: Lustre Dry
Product Code: 10068
Product Use: High Gloss, Quick-Drying Citrus Coating
Product Restrictions: Agriculture Use Only
Manufacturer/Importer/Supplier/Distributor information
Manufacturer: Pace International, LLC
Address: 5661 Branch Road, Wapato, WA 98951
Phone Number: 800-936-6750 (Monday-Friday, 7:00 a.m. – 4:00 p.m.)
Medical Emergency Phone Number: 888-271-4649 (PROPHARMA/PROSAR)
Transportation Emergency Phone Number: 800-424-9300 (CHEMTREC)
Supplier: See above

2. HAZARDS IDENTIFICATION

GHS Classification in accordance with 29 CFR 1910 (2012 OSHA Hazard Communication Standard)
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification:

Physical Hazards: Not classified
Health Hazards: Not classified
Environmental Hazards: Not classified

Hazard Symbols:

None

Signal Word:

None

Hazard Statements:

The mixture does not meet the criteria for GHS classification.

Other Hazards:

Hazard(s) not otherwise classified (HNOC):

Precautionary Statements:

Prevention Statements:

Use good industrial hygiene practices in handling this material.

Response Statements:

Wash hands thoroughly after handling.

Storage Statements:

Store locked up. Store in a cool, dry, well-ventilated place, away from direct sunlight. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

Disposal Statements:

Dispose of contents/container should be made in accordance with applicable regional, national and local laws and regulations.

None known.

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>CAS #</u>	<u>%</u>
Ammonium hydroxide	1336-21-6	0.1 – 5*
Isopropanol	67-63-0	1 – 5*
Morpholine	110-91-8	1 – 5*
Resin acids and rosin acids, fumarated, esters with pentaerythritol	94581-15-4	0.1 – 1*

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments *US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

4. FIRST AID MEASURES

General Have the product container, label or Safety Data Sheet with you when calling a poison control center, physician, or going for treatment. You may also contact PROPHARMA (PROSAR) 1-888-271-4649 for emergency medical treatment information.
Advice:
Skin contact: IF ON SKIN: Wash with plenty of soap and water. If skin irritation persists; get medical advice/attention. Take off immediately all contaminated clothing. Wash before reuse.
Eye contact: IF IN EYES: Hold eye open and rinse cautiously with water for 15 – 20 minutes. Remove

	contact lenses, if present, after the first 5 minutes if easy to do, then continue rinsing eye. If eye irritation persists: Get medical advice/attention.
Inhalation:	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion:	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.
Most important Symptoms / effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of any immediate medical attention and special treatment needed:	Treat patient symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Foam. Dry chemical powder. Carbon dioxide.
Unsuitable Extinguishing Media:	Do not use water jet as an extinguisher, as this will spread the fire.
Special Hazards Arising from the Chemical:	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters:	Firefighters must wear full protective clothing including self-contained breathing apparatus.
Firefighting equipment/instructions:	Move containers from fire area if you can do so without risk.
Specific methods:	Use standard firefighting procedures and consider the hazards of other involved materials.
Hazardous combustion products:	May include and are not limited to: Oxides of carbon, oxides of nitrogen and ammonia.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency procedures:	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, (see section 8 of the SDS).
Methods and Materials for Containment and Clean-Up:	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.
Environmental Precautions:	Never return spills to original containers for re-use. Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

7. HANDLING & STORAGE

Precautions for safe handling	Use good industrial hygiene practices in handling this material. DO NOT get in eyes, on skin or clothing. Avoid prolonged exposure. Use only with adequate ventilation. Keep container tightly closed. Wear appropriate personal protective equipment. Wash thoroughly after handling. When using, do not eat, drink or smoke.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in original tightly closed container. Store in a cool, dry, well-ventilated place, away from direct sunlight. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ammonium hydroxide (CAS 1336-21-6)	PEL	35 mg/m3 50 ppm
Isopropanol (CAS# 67-63-0)	PEL	980 mg/m3 400 ppm
Morpholine (CAS# 110-91-8)	PEL	70 mg/m3 20 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Ammonium hydroxide (CAS 1336-21-6)	STEL	35 ppm
	TWA	25 ppm
Isopropanol (CAS# 67-63-0)	STEL	400 ppm
	TWA	200 ppm
Morpholine (CAS# 110-91-8)	TWA	20 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Ammonium hydroxide (CAS 1336-21-6)	STEL	27 mg/m3 35 ppm
	TWA	18 mg/m3 25 ppm
Isopropanol (CAS# 67-63-0)	STEL	1225 mg/m3 500 ppm
	TWA	980 mg/m3 400 ppm
Morpholine (CAS# 110-91-8)	STEL	105 mg/m3 30 ppm
	TWA	70 mg/m3 20 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Isopropanol (CAS# 67-63-0)	40 mg/L	Acetone	Urine	*

* - For sampling details, please see the source document.

US ACGIH Threshold Limit Values: Skin designation

Morpholine (CAS# 110-91-8) Danger of cutaneous absorption.

US. NIOSH: Pocket Guide to Chemical Hazards

Morpholine (CAS# 110-91-8) Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Morpholine (CAS# 110-91-8) Can be absorbed through the skin.

Appropriate engineering controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses with side shields (or goggles). Eye wash station and washing facilities should be available.

Skin protection

Hand protection: Wear nitrile, neoprene, vinyl (PVC), or rubber gloves.

Other: Wear protective clothing (long sleeved shirt, pants, and shoes).

Respiratory protection: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134)

Thermal hazards: Not applicable.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Liquid	Upper/Lower flammability limits:	Not available
Appearance / Color:	White, opaque	Vapor pressure:	Not available

Odor:	Detergent	Vapor density: (air =1)	Not available
Odor threshold:	Not available	Specific Gravity: (H₂O = 1)	.975
pH:	8.9	Solubility:	Miscible in water
Melting/Freezing point:	Not available	Partition coefficient (n-octanol-water):	Not available
Pour Point:	Not available	Auto-ignition temperature:	Not available
Initial boiling point and boiling range:	213.8°F (101°C)	Decomposition temperature:	Not available
Flash point:	Not flammable	Viscosity:	Not available
Evaporation rate:	Not available	Explosive properties:	Not explosive.
Flammability (solid, gas):	Not applicable	Oxidizing properties:	Not oxidizing.

10. STABILITY & REACTIVITY

Reactivity hazards:	This product may react with strong oxidizing agents.
Possibility of Hazardous Reactions:	No dangerous reaction known under conditions of normal use.
Chemical stability:	Material is stable under normal conditions.
Conditions to avoid:	Avoid heat, sparks, open flames and other ignition sources. Do not mix with other chemicals.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	May include and are not limited to: Oxides of carbon, oxides of nitrogen, ammonia.

11. TOXICOLOGICAL INFORMATION

Routes of exposure:	Eye, Skin contact, Inhalation, Ingestion.
Information on likely routes of exposure	
Ingestion	May cause stomach distress, nausea or vomiting.
Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Symptoms related to the physical, chemical and toxicological characteristics:	Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
Ammonium hydroxide (CAS 1336-21-6)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Mouse	2115 ppm, 4 h, Cheminfo
	Rat	2000 ppm, 4 h, Cheminfo
<i>Oral</i>		
LD50	Rat	350 mg/kg, HSDB
Isopropanol (CAS# 67-63-0)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	13900 mg/kg, ECHA
<i>Inhalation</i>		
LC50	Rat	25000 mg/m3, 6 hours, ECHA
		16970 mg/l/4h, HMIRA
<i>Oral</i>		
LD50	Rat	5840 mg/kg, ECHA
Morpholine (CAS# 110-91-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	500 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	8 mg/L, ECHA
<i>Oral</i>		

LD50	Rat	1900 mg/kg, ECHA
Resin acids and rosin acids, fumarated, esters with pentaerythritol		
Acute		
<i>Dermal</i>		
LD50	Rat	>2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	>5000 mg/kg, ECHA >2000 mg/kg, ECHA
Skin corrosion/irritation:	Prolonged skin contact may cause temporary irritation.	
Exposure minutes	Not available	
Erythema value	Not available	
Oedema value	Not available	
Serious eye damage/eye irritation:	Direct contact with eyes may cause temporary irritation.	
Respiratory sensitization:	This product is not a respiratory sensitization.	
Skin sensitization:	This product is not expected to cause skin sensitization.	
Mutagenicity:	Non-hazardous by WHMIS/OSHA criteria.	
Carcinogenicity:	See below	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Morpholine (CAS# 110-91-8)	Volume 47, Volume 71 - 3	Not classifiable as to carcinogenicity to humans.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052):		
Not listed.		
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.	
	Non-hazardous by WHMIS/OSHA criteria.	
Teratogenicity:	Non-hazardous by WHMIS/OSHA criteria.	
Specific target organ toxicity - single exposure:	Not available.	
Specific target organ toxicity - repeated exposure:	Not classified.	
Aspiration hazard:	Not classified.	
Chronic effects:	Prolonged inhalation may be harmful.	

12. ECOLOGICAL INFORMATION

Ecotoxicity	See below	Ecotoxicity
Ecotoxicological data	Species	Test Results
Components		
Ammonium hydroxide (CAS 1336-21-6)		
Crustacea	EC50	Daphnia
		0.66 mg/L, 48 hours
Aquatic		
Fish	LC50	Western mosquitofish (Gambusia affinis)
		15 mg/L, 96 hours
Isopropanol (CAS# 67-63-0)		
Algae	IC50	Algae
		1000 mg/L, 72 Hours
Crustacea	EC50	Daphnia
		13299 mg/L, 48 hours
Aquatic		
Fish	LC50	Bluegill (Lepomis macrochirus)
		>1400 mg/L, 96 hours
Morpholine (CAS# 110-91-8)		
Aquatic		
Fish	LC50	Zebra danio (Danio rerio)
		>1 mg/L, 96 hours
Persistence/ degradability:	No data is available on the degradability of this product.	
Bioaccumulative potential	Not available.	
Mobility in soil:	No data available.	
Mobility in general:	Not available.	
Other adverse effects:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

13. DISPOSAL CONSIDERATIONS

Disposal methods:	Recover or recycle if possible. Do not discharge into sewers, lakes, streams, or other bodies of water. Disposal should be made in accordance with applicable regional, national and local laws and regulations. Consult appropriate regulatory officials for information on disposal, keeping in mind that local regulations may be more stringent than regional or national requirements.
Hazardous waste code	This product, in its original form and concentration, would not designate as a US

Waste from residues / unused products	federal hazardous waste when disposed Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

Transport of Dangerous Goods (TDG) Proof of Classification	Classification method: Classified according to Part 2, sections 2.1-2.8 of the Regulations for the transport of dangerous goods. If applicable, the technical name and product classification will appear below.
U.S. Department of Transportation (DOT)	Not regulated as dangerous goods.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Ammonium hydroxide (CAS 1336-21-6)	Listed.
Isopropanol (CAS# 67-63-0)	Listed
Morpholine (CAS# 110-91-8)	Listed

SARA 304 Emergency Release Notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance	No
SARA 311/312 Hazardous chemical	No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Ammonium hydroxide	1336-21-6	0.1-5*
Isopropanol	67-63-0	1-5*

US STATE REGULATIONS

US - California Hazardous Substances (Director's):

Ammonium hydroxide (CAS# 1336-21-6)	Listed
Isopropanol (CAS# 67-63-0)	Listed
Morpholine (CAS# 110-91-8)	Listed

US - Illinois Chemical Safety Act: Listed substance

Ammonium hydroxide (CAS# 1336-21-6)
Isopropanol (CAS# 67-63-0)
Morpholine (CAS# 110-91-8)

US - Louisiana Spill Reporting: Listed substance

Ammonium hydroxide (CAS# 1336-21-6)	Listed
Isopropanol (CAS# 67-63-0)	Listed
Morpholine (CAS# 110-91-8)	Listed

US - Minnesota Haz Subs: Listed substance

Isopropanol (CAS# 67-63-0)	Listed
Morpholine (CAS# 110-91-8)	Listed

US - Texas Effects Screening Levels: Listed substance

Ammonium hydroxide (CAS# 1336-21-6)	Listed
Isopropanol (CAS# 67-63-0)	Listed
Morpholine (CAS# 110-91-8)	Listed

US. Massachusetts RTK - Substance List

Ammonium hydroxide (CAS# 1336-21-6)
Isopropanol (CAS# 67-63-0)
Morpholine (CAS# 110-91-8)

US. New Jersey Worker and Community Right-to-Know Act

Ammonium hydroxide (CAS# 1336-21-6)
Isopropanol (CAS# 67-63-0)
Morpholine (CAS# 110-91-8)

US. Pennsylvania Worker and Community Right-to-Know Law

Ammonium hydroxide (CAS# 1336-21-6)

US. Rhode Island RTK

Isopropanol (CAS# 67-63-0)
Morpholine (CAS# 110-91-8)

US. California Proposition 65

Isopropanol (CAS# 67-63-0)
Morpholine (CAS# 110-91-8)

Not listed

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. OTHER INFORMATION

HMIS Ratings:

Health – 1

Flammability – 0

Reactivity – 0

NFPA Ratings:



The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, Pace International, LLC and its subsidiaries or affiliates extend no warranties, make no representations, and assume no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, neither Pace International, LLC nor any of its subsidiaries or affiliates represents or guarantees that this information or product may be used without infringing the intellectual property rights of others. It is the users' own responsibility to determine the suitability of this information for their own particular use of this product. If necessary, contact Pace International, LLC to confirm that you have the most current product label and SDS.

This Safety Data Sheet (SDS) may provide more information than the product label but does not replace or modify the product labeling (attached to and accompanying the product container). The product SDS and the product label both provide consistent and important health, safety, and environmental information as required by the Occupational Health and Safety Act (29 CFR 1910.1200, "Hazcom"). This requirement covers employers, employees, emergency responders, users and others handling the product. All necessary hazard classification and appropriate precautionary, use, storage, and disposal information is set forth on the labeling and the SDS.

SDS preparation date: September 26, 2025

Replaces MSDS dated: December 18, 2020

Changes since last revision: Rebranding

Version: 5