

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: PrimaFresh 360 HS
Product Code: 10514
Product Use: High Shine Premium Carnauba Coating
Product
Restrictions: For Agriculture Use Only
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)

2. HAZARDS IDENTIFICATION

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

Classification:

Non-hazardous

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 classification.

Other Hazards:

Hazard(s) not otherwise classified

(HNOC):

Supplemental information

Precautionary Statements:

Prevention Statements:

Use good industrial hygiene practices in handling this material.

Response Statement

Wash hands thoroughly after handling.

Storage Statements:

Store away from incompatible materials.

Disposal Statements:

P501 Dispose of contents/container should be made in accordance with applicable regional, national and local laws and regulations.

None known.

None known.

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Non-hazardous by OSHA/WHMIS criteria.

4. FIRST AID MEASURES

General

Advice: Have the product container, label or Safety Data Sheet with you when calling a poison control center or physician or going for treatment. You may also contact PROPHARMA (PROSAR) 1-888-271-4649 for emergency medical treatment information.

If on Skin: Wash skin with plenty of soap and water/shower. If skin irritation or rash occurs: Get medical advice/attention.

If in Eyes: Hold eye open and rinse cautiously with water for 15 – 20 minutes. Remove contact lenses, after the first 5 minutes if present and easy to do, then continue rinsing eye. If eye irritation persists: Get medical advice/attention.

If Swallowed: 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.

If Inhaled: If symptoms develop move victim to fresh air. If symptoms persist, 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: Water fog. Foam. Dry chemical powder. Carbon dioxide.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special Protective Equipment / Procedures for Firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting 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.

General fire hazards: No unusual fire or explosion hazards noted.

Hazardous combustion products: May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

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. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Containment / Clean-Up Methods: Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions: 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: Wash thoroughly after handling.

Use good industrial hygiene practices in handling this material.

When using do not eat, drink, or smoke.

Avoid contact with eyes, skin, and clothing.

Conditions for safe storage, including any incompatibilities: Store in cool, dry, well-vented area. Do not allow product to freeze. Avoid storing below 40°F or above 100°F. Keep container upright to prevent leakage and avoid release into the environment. Absorb any spillage to prevent material damage. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

No exposure limits noted for ingredient(s).

Biological limit values: No biological exposure limits noted for the ingredient(s).

Exposure guidelines: See above

US ACGIH Threshold Limit Values: Skin designation

1,4-Dioxane (CAS 123-91-1) Can be absorbed through the skin.
Morpholine (CAS 110-91-8) Can be absorbed through the skin.

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)

1,4-Dioxane (CAS 123-91-1) Can be absorbed through the skin.
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 (goggles). Eye fountain and washing facilities should be available.

Skin protection

Hand protection

Impervious gloves. Confirm with reputable supplier first.

Other

Wear appropriate chemical resistant clothing. As required by employer code.

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

Use good industrial hygiene practices in handling this material. Wash thoroughly after handling. When using do not eat, drink, or smoke. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Liquid	Upper/Lower flammability limits:	Not available
Appearance / Color:	Brown Opaque	Vapor pressure:	Not available
Odor:	Slight carnauba odor	Vapor density: (air =1)	Not available
Odor threshold:	Not available	Specific Gravity: (H₂O = 1)	.995
pH:	9.05	Solubility:	Miscible with 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:	212°F (100°C)	Decomposition temperature:	Not available
Flash point:	Not available.	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:	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.

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:	No adverse effects due to inhalation are expected.
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	Not available
Skin corrosion/irritation:	Prolonged skin contact may cause temporary irritation.
Eye damage/irritation:	Direct contact with eyes may cause temporary irritation.
Respiratory sensitization:	Not a respiratory sensitizer.
Skin sensitization:	This product is not expected to cause skin sensitization.
Germ cell mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity:	See below

ACGIH Carcinogens

1,4-Dioxane (CAS 123-91-1)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Ethylene oxide (CAS 75-21-8)	A2 Suspected human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

1,4-Dioxane (CAS 123-91-1)	Volume 11, Supplement 7, Volume 71 – 2B Possibly carcinogenic to humans.
Ethylene oxide (CAS 75-21-8)	Volume 97, Volume 100F 1 Carcinogenic to humans.
Morpholine (CAS 110-91-8)	Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.

US. California Proposition 65 – CRT: Listed date / Carcinogenic substance:

1,4-Dioxane (CAS 123-91-1)	
Ethylene oxide (CAS 75-21-8)	

US NTP Report on Carcinogens: Anticipated carcinogen

1,4-Dioxane (CAS 123-91-1)	Reasonably Anticipated to be a Human Carcinogen.
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US NTP Report on Carcinogens: Known carcinogen

Ethylene oxide (CAS 75-21-8)	Known to Be Human Carcinogen.
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US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Ethylene oxide (CAS 75-21-8)	Cancer
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Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Teratogenicity:	Not available.
Specific target organ toxicity - single exposure:	Not classified.
Specific target organ toxicity - repeated exposure:	Not classified.
Aspiration hazard:	Not an aspiration hazard.



12. ECOLOGICAL INFORMATION

Ecotoxicity	See below
Persistence/ degradability:	No data is available on the degradability of this product.
Bioaccumulative potential	
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 instructions:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	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 "Non-Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	
1,4-Dioxane (CAS 123-91-1)	Listed.
Ethylene oxide (CAS 75-21-8)	Listed.
Morpholine (CAS 110-91-8)	Listed.
US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity	
Ethylene oxide (CAS 75-21-8)	10 LBS
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
Ethylene oxide (CAS 75-21-8)	Cancer Reproductive toxicity Mutagenicity Central nervous system Skin Sensitization Skin irritation Eye irritation Respiratory tract irritation Acute toxicity Flammability



Superfund Amendments and Reauthorization Act of 1986 (SARA)	Hazard Categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely hazardous substance		No
SARA 311/312 Hazardous chemical		No
SARA 313 (TRI reporting)		Not regulated.
OTHER		
FEDERAL REGULATIONS		
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List		
	1,4-Dioxane (CAS 123-91-1)	
	Ethylene oxide (CAS 75-21-8)	
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)		
	Ethylene oxide (CAS 75-21-8)	
US STATE REGULATIONS		
US - California Hazardous Substances (Director's):		
	1,4-Dioxane (CAS 123-91-1)	Listed.
	Ethylene oxide (CAS 75-21-8)	Listed.
	Morpholine (CAS 110-91-8)	Listed.
US - Illinois Chemical Safety Act: Listed substance		
	1,4-Dioxane (CAS 123-91-1)	
	Ethylene oxide (CAS 75-21-8)	
	Morpholine (CAS 110-91-8)	
US - Louisiana Spill Reporting: Listed substance		
	1,4-Dioxane (CAS 123-91-1)	Listed.
	Ethylene oxide (CAS 75-21-8)	Listed.
	Morpholine (CAS 110-91-8)	Listed.
US - Minnesota Haz Subs: Listed substance		
	1,4-Dioxane (CAS 123-91-1)	Listed.
	Ethylene oxide (CAS 75-21-8)	Listed.
	Morpholine (CAS 110-91-8)	Listed.
US - New Jersey RTK - Substances: Listed substance		
	1,4-Dioxane (CAS 123-91-1)	
	Ethylene oxide (CAS 75-21-8)	
	Morpholine (CAS 110-91-8)	
US - North Carolina Toxic Air Pollutants:		
	1,4-Dioxane (CAS 123-91-1)	
	Ethylene oxide (CAS 75-21-8)	
US - Pennsylvania RTK - Hazardous Substances: Special hazard		
	1,4-Dioxane (CAS 123-91-1)	
	Ethylene oxide (CAS 75-21-8)	
US - Texas Effects Screening Levels: Listed substance		
	1,4-Dioxane (CAS 123-91-1)	Listed.
	Ethylene oxide (CAS 75-21-8)	Listed.
	Morpholine (CAS 110-91-8)	Listed.
US - Washington Chemical of High Concern to Children: Listed substance		
	1,4-Dioxane (CAS 123-91-1)	
US. Massachusetts RTK - Substance List		
	1,4-Dioxane (CAS 123-91-1)	
	Ethylene oxide (CAS 75-21-8)	
	Morpholine (CAS 110-91-8)	
US. New Jersey Worker and Community Right-to-Know Act		
	1,4-Dioxane (CAS 123-91-1)	
	Ethylene oxide (CAS 75-21-8)	
US. Pennsylvania Worker and Community Right-to-Know Law		
	1,4-Dioxane (CAS 123-91-1)	
	Ethylene oxide (CAS 75-21-8)	
	Morpholine (CAS 110-91-8)	
US. Rhode Island RTK		
	1,4-Dioxane (CAS 123-91-1)	
	Ethylene oxide (CAS 75-21-8)	
	Morpholine (CAS 110-91-8)	



US. California Proposition 65



WARNING: This product can expose you to chemicals including 1,4-dioxane, which is known to the State of California to cause cancer, and ethylene oxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

CRT: Listed date/Carcinogenic substance

1,4-Dioxane (CAS 123-91-1) Listed: January 1, 1988

Ethylene oxide (CAS 75-21-8) Listed: July 1, 1987

CRT: Listed date/Developmental toxin

Ethylene oxide (CAS 75-21-8) Listed: August 7, 2009

CRT: Listed date/Female reproductive toxin

Ethylene oxide (CAS 75-21-8) Listed: February 27, 1987

CRT: Listed date/Male reproductive toxin

Ethylene oxide (CAS 75-21-8) Listed: August 7, 2009

Inventory status

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

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

16. OTHER INFORMATION

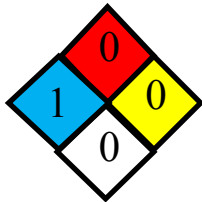
HMIS Ratings:

Health – 1

Flammability – 0

Reactivity – 0

NFPA Ratings:



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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: March 5, 2019

Replaces SDS dated: November 28, 2016

Changes since last revision: All sections have had major changes

Version: 2

