

SAFETY DATA SHEET



1. Identification

Product identifier HYDROSTOP PREMIUMCOAT FINISH COAT

Other means of identification

Product Code

Recommended use Not available.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name GAF
1 Campus Drive
Parsippany, NJ 07054 USA

Telephone 1-800-766-3411

Emergency phone number CHEMTREC [DAY OR NIGHT] 1-800-424-9300
Within USA and CANADA 1-800-424-9300
Outside USA and Canada: 1 703-741-5970
Collect Calls Accepted

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Sensitization, skin Category 1
Carcinogenicity Category 2
Reproductive toxicity Category 1

Environmental hazards Harmful to the aquatic life. Category 3
Harmful to the aquatic life with long-lasting effects. Category 3
Not classified.

OSHA defined hazards

Label elements



Signal word None.

Hazard statement May cause an allergic skin reaction. Suspected of causing cancer. May damage fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response If on skin: Wash with plenty of water. If exposed or concerned: Get medical advice/attention.

Storage Not available.

Disposal Not available.

Hazard(s) not otherwise classified (HNOC) None known.

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|-------------------|--------------------------|------------|-----------|
| Calcium Carbonate | | 1317-65-3 | 30 to <40 |

| Chemical name | Common name and synonyms | CAS number | % |
|--------------------------------|--------------------------|------------|-----------|
| Titanium Dioxide | | 13463-67-7 | 5 to <10 |
| Zinc Oxide | | 1314-13-2 | 1 to <5 |
| 2-N-Octyl-4-Isothiazolin-3-one | | 26530-20-1 | 0.1 to <1 |
| Ammonium Hydroxide 20-30% | | 1336-21-6 | 0.1 to <1 |
| PARAFFINIC PETROLEUM OIL | | 64742-54-7 | 0.1 to <1 |
| Pure (Dibutyl Phthalate) | | 84-74-2 | 0.1 to <1 |
| Non Hazardous Ingredients | | | 50 to <60 |

4. First-aid measures

| | |
|---|--|
| Inhalation | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist. |
| Skin contact | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. |
| Eye contact | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Rinse with water. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. Get medical attention if symptoms occur. |
| Most important symptoms/effects, acute and delayed | Upper respiratory tract irritation. Irritation of eyes and mucous membranes. Coughing. Skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |
| General information | IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. |

5. Fire-fighting measures

| | |
|--|---|
| Suitable extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). |
| 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 and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire fighting equipment/instructions | In case of fire and/or explosion do not breathe fumes. Do not scatter the material. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| General fire hazards | No unusual fire or explosion hazards noted. |

6. Accidental release measures

| | |
|--|--|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. 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. |
| Methods and materials for containment and cleaning up | <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p> |

Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

7. Handling and storage**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection**Occupational exposure limits****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components | Type | Value | Form |
|--|------|----------|----------------------|
| Ammonium Hydroxide 20-30% (CAS 1336-21-6) | PEL | 35 mg/m3 | |
| | | 50 ppm | |
| Calcium Carbonate (CAS 1317-65-3) | PEL | 5 mg/m3 | Respirable fraction. |
| | | 15 mg/m3 | Total dust. |
| Pure (Dibutyl Phthalate) (CAS 84-74-2) | PEL | 5 mg/m3 | |
| Titanium Dioxide (CAS 13463-67-7) | PEL | 15 mg/m3 | Total dust. |
| Zinc Oxide (CAS 1314-13-2) | PEL | 5 mg/m3 | Respirable fraction. |
| | | 5 mg/m3 | Fume. |
| | | 15 mg/m3 | Total dust. |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|--|------|----------|----------------------|
| Ammonium Hydroxide 20-30% (CAS 1336-21-6) | STEL | 35 ppm | |
| | TWA | 25 ppm | |
| PARAFFINIC PETROLEUM OIL (CAS 64742-54-7) | TWA | 5 mg/m3 | Inhalable fraction. |
| Pure (Dibutyl Phthalate) (CAS 84-74-2) | TWA | 5 mg/m3 | |
| Titanium Dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 | |
| Zinc Oxide (CAS 1314-13-2) | STEL | 10 mg/m3 | Respirable fraction. |
| | TWA | 2 mg/m3 | Respirable fraction. |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|--|---------|----------|-------------|
| Ammonium Hydroxide 20-30% (CAS 1336-21-6) | STEL | 27 mg/m3 | |
| | TWA | 35 ppm | |
| | | 18 mg/m3 | |
| | | 25 ppm | |
| Calcium Carbonate (CAS 1317-65-3) | TWA | 5 mg/m3 | Respirable. |
| | | 10 mg/m3 | Total |
| Pure (Dibutyl Phthalate) (CAS 84-74-2) | TWA | 5 mg/m3 | |
| Zinc Oxide (CAS 1314-13-2) | Ceiling | 15 mg/m3 | Dust. |
| | STEL | 10 mg/m3 | Fume. |
| | TWA | 5 mg/m3 | Fume. |

| Components | Type | Value | Form |
|--|---|---------------------|-------|
| | | 5 mg/m ³ | Dust. |
| Biological limit values | No biological exposure limits noted for the ingredient(s). | | |
| 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 | If contact is likely, safety glasses with side shields are recommended. | | |
| Skin protection | | | |
| Hand protection | Wear appropriate chemical resistant gloves. | | |
| Other | Wear appropriate chemical resistant clothing. | | |
| Respiratory protection | In case of insufficient ventilation, wear suitable respiratory equipment. | | |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. | | |
| General hygiene considerations | When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. | | |

9. Physical and chemical properties

Appearance

| | |
|---|----------------|
| Physical state | Liquid. |
| Form | Liquid. |
| Color | Not available. |
| Odor | Not available. |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Density | 12.02 lbs/gal |

| | |
|---------------------------|---|
| Flammability class | Not available. |
| Percent volatile | 32.45 % estimated |
| Specific gravity | 1.44 |
| VOC | 0.068956 lbs/gal Material estimated 0.129727 lbs/gal Regulatory estimated 8.262997 g/l Material estimated 15.545186 g/l Regulatory estimated |

10. Stability and reactivity

| | |
|---|---|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Contact with incompatible materials. |
| Incompatible materials | Fluorine. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|--|
| Inhalation | Prolonged inhalation may be harmful. |
| Skin contact | May cause an allergic skin reaction. |
| Eye contact | Direct contact with eyes may cause temporary irritation. |
| Ingestion | Expected to be a low ingestion hazard. |

Symptoms related to the physical, chemical and toxicological characteristics Irritation of eyes and mucous membranes. Upper respiratory tract irritation. Coughing. Skin irritation. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity May cause an allergic skin reaction.

| Components | Species | Test Results |
|---|------------|------------------------|
| Ammonium Hydroxide 20-30% (CAS 1336-21-6) | | |
| Acute | | |
| Oral | | |
| LD50 | Rat | 350 mg/kg |
| Pure (Dibutyl Phthalate) (CAS 84-74-2) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | 4200 mg/kg 20 ml/kg |
| Inhalation | | |
| LC50 | Mouse | 25 mg/l, 2 Hours |
| | Rat | 15.68 mg/l, 4 Hours |
| Oral | | |
| LD50 | Guinea pig | 10000 mg/kg |
| | Mouse | 4840 mg/kg |
| | Rat | 6300 mg/kg |
| Zinc Oxide (CAS 1314-13-2) | | |
| Acute | | |
| Inhalation | | |
| LC50 | Mouse | > 5.7 mg/l, 4 Hours |
| Oral | | |
| LD50 | Mouse | 7950 mg/kg |

| Components | Species | Test Results |
|--|--|-------------------------------------|
| | Rat | > 5 g/kg |
| * Estimates for product may be based on additional component data not shown. | | |
| Skin corrosion/irritation | Prolonged skin contact may cause temporary irritation. | |
| Serious eye damage/eye irritation | Direct contact with eyes may cause temporary irritation. | |
| Respiratory or skin sensitization | | |
| Respiratory sensitization | Not available. | |
| Skin sensitization | May cause an allergic skin reaction. | |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. | |
| Carcinogenicity | Suspected of causing cancer. | |
| IARC Monographs. Overall Evaluation of Carcinogenicity | | |
| Titanium Dioxide (CAS 13463-67-7) | | 2B Possibly carcinogenic to humans. |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | | |
| Not listed. | | |
| US. National Toxicology Program (NTP) Report on Carcinogens | | |
| PARAFFINIC PETROLEUM OIL (CAS 64742-54-7) | | Known To Be Human Carcinogen. |
| Reproductive toxicity | May damage fertility or the unborn child. | |
| Specific target organ toxicity - single exposure | Not classified. | |
| Specific target organ toxicity - repeated exposure | Not classified. | |
| Aspiration hazard | Not available. | |
| Chronic effects | Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. | |

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

| Components | Species | Test Results |
|---|---------|--|
| Ammonium Hydroxide 20-30% (CAS 1336-21-6) | | |
| Aquatic | | |
| Fish | LC50 | Western mosquitofish (<i>Gambusia affinis</i>) 15 mg/l, 96 hours |
| Pure (Dibutyl Phthalate) (CAS 84-74-2) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (<i>Daphnia magna</i>) 2.99 mg/l, 48 hours |
| Fish | LC50 | Channel catfish (<i>Ictalurus punctatus</i>) 0.4 - 0.53 mg/l, 96 hours |
| Titanium Dioxide (CAS 13463-67-7) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (<i>Daphnia magna</i>) > 1000 mg/l, 48 hours |
| Fish | LC50 | Mummichog (<i>Fundulus heteroclitus</i>) > 1000 mg/l, 96 hours |
| Zinc Oxide (CAS 1314-13-2) | | |
| Aquatic | | |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) 2246 mg/l, 96 hours |

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Pure (Dibutyl Phthalate) 4.9

Mobility in soil No data 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. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Local disposal regulations | Dispose in accordance with all applicable regulations. |
| 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 | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. |

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

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.

All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

TSCA Chemical Action Plans, Chemicals of Concern

Pure (Dibutyl Phthalate) (CAS 84-74-2)

Phthalates Action Plan

CERCLA Hazardous Substance List (40 CFR 302.4)

Ammonium Hydroxide 20-30% (CAS 1336-21-6)

Listed.

Pure (Dibutyl Phthalate) (CAS 84-74-2)

Listed.

Zinc Oxide (CAS 1314-13-2)

Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|---------------------------|------------|-----------|
| Zinc Oxide | 1314-13-2 | 1 to <5 |
| Ammonium Hydroxide 20-30% | 1336-21-6 | 0.1 to <1 |
| Pure (Dibutyl Phthalate) | 84-74-2 | 0.1 to <1 |

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Pure (Dibutyl Phthalate) (CAS 84-74-2)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

PARAFFINIC PETROLEUM OIL (CAS 64742-54-7)

Pure (Dibutyl Phthalate) (CAS 84-74-2)

Titanium Dioxide (CAS 13463-67-7)

US. Massachusetts RTK - Substance List

Ammonium Hydroxide 20-30% (CAS 1336-21-6)
Calcium Carbonate (CAS 1317-65-3)
Pure (Dibutyl Phthalate) (CAS 84-74-2)
Titanium Dioxide (CAS 13463-67-7)
Zinc Oxide (CAS 1314-13-2)

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

Ammonium Hydroxide 20-30% (CAS 1336-21-6)
Calcium Carbonate (CAS 1317-65-3)
Pure (Dibutyl Phthalate) (CAS 84-74-2)
Titanium Dioxide (CAS 13463-67-7)
Zinc Oxide (CAS 1314-13-2)

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

Ammonium Hydroxide 20-30% (CAS 1336-21-6)
Calcium Carbonate (CAS 1317-65-3)
Pure (Dibutyl Phthalate) (CAS 84-74-2)
Titanium Dioxide (CAS 13463-67-7)
Zinc Oxide (CAS 1314-13-2)

US. Rhode Island RTK

Ammonium Hydroxide 20-30% (CAS 1336-21-6)
Pure (Dibutyl Phthalate) (CAS 84-74-2)
Zinc Oxide (CAS 1314-13-2)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Titanium Dioxide (CAS 13463-67-7) Listed: September 2, 2011

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Pure (Dibutyl Phthalate) (CAS 84-74-2) Listed: December 2, 2005

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

Pure (Dibutyl Phthalate) (CAS 84-74-2) Listed: December 2, 2005

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

Pure (Dibutyl Phthalate) (CAS 84-74-2) Listed: December 2, 2005

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | Yes |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| 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)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 09-08-2014

Revision date 08-08-2018

Version # 08

HMIS® ratings

Health: 2*
Flammability: 0
Physical hazard: 0

NFPA ratings

Health: 2
Flammability: 0
Instability: 0

Disclaimer

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Revision Information

Revision to Section 2.