

9-27-05

311'
10/20/2004

M A T E R I A L S A F E T Y D A T A S H E E T

PRODUCT NAME: DURAGUARD HIGH SOLIDS ALKYD GLOSS WHITE
PRODUCT CODE: 311'

HMIS CODES: H F R P
1 2 0

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: HALLMAN/LINDSAY PAINTS
ADDRESS : P.O. BOX 109
SUN PRAIRIE, WI 53590

EMERGENCY PHONE : 1-800-688-4005 DATE PRINTED : 10/20/2004
INFORMATION PHONE : (608) 834-8844 NAME OF PREPARER : MICHAEL MC NULTY

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	WEIGHT PERCENT
TITANIUM DIOXIDE OSHA PEL: 10 MG/M3, ACGIH TLV: 10 MG/M3, STEL TLV: N/A	13463-67-7	
ALIPHATIC HYDROCARBONS (STODDARD TYPE) NIOSH RECOMMENDS LIMIT OF 350 mg/mg3 OSHA 100 ppm	8052-41-3	10.8
BARIUM SULFATE SOLVENT 140 FLASH OSHA PEL: 100 PPM, ACGIH TLV: 100 PPM STEL TLV: 200PPM	7727-43-7 64742-88-7	1.95
AROMATIC PETROLEUM DISTILLATE TLV NOT ESTABLISHED FOR THIS MATERIAL	64742-94-5	.82
AROMATIC PETROLEUM DISTILLATES TLV NOT ESTABLISHED FOR THIS MATERIAL	64742-95-6	.82

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

Sanding the cured product may produce a nuisance dust. Observe a TLV of 10 mg/m3 for total dust containing no asbestos and <1% silica. Observe a TLV of 5mg/m3 for respirable dust.

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 315 - 355 deg F SPECIFIC GRAVITY (H2O=1): 1.2
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
COATING V.O.C.: 3.11 lb/gl MATERIAL V.O.C.: 3.11 lb/gl
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: LIQUID WITH MILD ODOR

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 122 METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1 UPPER: 7

EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, FOAM, ALCOHOL FOAM

SPECIAL FIREFIGHTING PROCEDURES
A water spray may cool containers. A stream of water may spread flames. Wear self contained breathing apparatus and goggles.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks & open flame. Combustible or explosive mixtures may form in air. Closed containers may explode when exposed to extreme heat. Never use welding torch on or near container [even empty] product and/or residue can explode.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

Avoid all possible sources of ignition. This material is flammable (or combustible per 49CFR 173.120 (b) (2)) and may be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights etc.) Vapor is heavier than air and may collect in low areas.

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may produce carbon monoxide, carbon dioxide, oxides of nitrogen and unidentifiable organic materials.

HAZARDOUS POLYMERIZATION: Will Not Occur

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Adverse health effects from vapors or spray mists in poorly ventilated areas may include irritation of the mucus membranes of the nose, throat, and respiratory tract. Symptoms may also include headache, nausea, dizziness and confusion.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Prolonged or repeated contact with product may cause skin irritation, dermatitis, cracking. Eye contact- Severe irritation, tearing, redness, and blurred vision.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Can dry and defat skin causing cracks, irritation, and dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Can cause gastrointestinal irritation, vomiting, nausea, and diarrhea. DO NOT TAKE INTERNALLY

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE OVEREXPOSURE MAY IRRITATE: respiratory tract (Nose, Throat, Lungs), Eyes, Skin. MAY PRODUCE THE FOLLOWING: Headache, Nausea, Central Nervous System Depression.

CHRONIC OVEREXPOSURE MAY IRRITATE: Eyes, Skin. May Damage The Brain, Central Nervous System, Kidneys, Liver. MAY PRODUCE THE FOLLOWING: Headache, Nausea, Nervous System Depression Characterized By: Dizziness, Confusion, Unconsciousness, and Coma.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED:
No

N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
Impaired Pulmonary Functions

EMERGENCY AND FIRST AID PROCEDURES

FIRST AID FOR INHALATION: Remove person to fresh air. Give oxygen if breathing is difficult. FIRST AID FOR

AID FOR EYES: Flush eyes with water for at least 15 minutes. Call a Physician if irritation persists. FIRST AID FOR

SKIN: Wash with soap and water. Wash exposed clothing before reuse. See a Physician if irritation persists. FIRST AID FOR

INGESTION: If person is conscious, give two glasses of water and induce vomiting. See a Physician. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Eliminate ignition sources, provide good ventilation, dike spill to minimize contamination. Absorb with inert material. Collect in containers. Keep spill out of waterways.

WASTE DISPOSAL METHOD

Dispose of material in accordance with Federal, State and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid prolonged contact with liquid and/or vapor. Do not store near heat, sparks, or flame. Store in a cool, dry, and well vented area. Keep containers closed when not in use. Ground all containers when transferring liquid. Use non sparking tools.

OTHER PRECAUTIONS

Smoking in areas where this material is used should be strictly prohibited. Never take internally. Wash thoroughly after use. In keeping with good housekeeping practices, soiled rags and wiping cloths should be immersed in a container of water to reduce the potential of combustion.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

When spraying this material use a NIOSH approved cartridge respirator to keep airborne mists and vapor concentrations below TLV values.

VENTILATION

General mechanical ventilation or local exhaust should be suitable to keep the vapor concentrations below TLV values. Ventilation equipment must be explosion proof.

PROTECTIVE GLOVES

Impermeable chemical gloves for skin protection.

EYE PROTECTION

Chemical splash goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Use impermeable aprons and protective clothing whenever possible to protect skin from effects of overexposure. Eye wash. In poorly ventilated and confined

spaces, use a fresh-air supplied respirator or self contained breathing apparatus.

WORK/HYGIENIC PRACTICES

Eye washes and safety showers in the workplace are recommended. Wash hands thoroughly with soap and water after applying product. When spraying this material, use a respirator (NIOSH/MSHA TC 23 C or equivalent)

===== SECTION IX - DISCLAIMER =====

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