

MATERIAL SAFETY DATA SHEET

RAABE CORPORATION
P.O. BOX 23708
MILWAUKEE, WI 53223

INFORMATION TELEPHONE NO.: 414-255-9500
PREPARATION DATE: 01/17/90

FOR CHEMICAL EMERGENCY
SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC - DAY OR NIGHT
800-424-9300

REPLACES DATE: NEW DSDS

PREPARER: RMB

SECTION I - PRODUCT IDENTIFICATION

LANDSCAPE STRUCTURES, 090-20000 RUST RESIS. GRAY PRIMER
AEROSOL TOUCH-UP PAINT
RAABE PART#: 13343

SECTION II - HAZARDOUS INGREDIENTS

| | CAS NUMBER | WT. PERCENT IS LESS THAN | OCCUPATIONAL EXPOSURE LIMITS (TLV-TWA) | OCCUPATIONAL EXPOSURE LIMITS (TLV-STEL) | SKIN DESIGNATION | VAPOR PRESSURE mmHg 20C | KNOW OR SUSPECTED CARCINOGEN | SEC 313 |
|---|------------|-----------------------------|--|---|---------------------|-------------------------------|------------------------------------|------------|
| TALC | 14807-96-6 | 5% | NO INFO | NO INFO | NO | 0.0 | NO | NO |
| ACETONE | 67-64-1 | 40% | 750 ppm | 1000 ppm | NO | 181.7 | NO | YES |
| DIACETONE ALCOHOL | 123-42-2 | 5% | 50 ppm | NO INFO | NO | 1.0 | NO | NO |
| XYLENE | 1330-20-7 | 10% | 100 ppm | 150 ppm | NO | 5.1 | NO | YES |
| LIGHT AROMATIC SOLVENT NAPHTHA | 64742-95-6 | 5% | 50 ppm | NO INFO | NO | 10.0 | NO | NO |
| CHROMIUM COMPOUNDS (AS CR VI) | 7440-47-3 | 1.0% | 1.0 mg/m3 | NO INFO | NO | 0.0 | YES | YES |
| ETHYL BENZENE | 100-41-4 | 5% | 100 ppm | 125 ppm | NO | 10.0 | NO | YES |
| MINERAL SPIRITS | 64742-47-8 | 5% | 100 ppm | NO INFO | NO | 2.6 | NO | NO |
| N-BUTANE | 106-97-8 | 10% | 800 ppm | NO INFO | NO | 879.0 | NO | NO |
| PROPANE | 74-98-6 | 20% | 1000 ppm | NO INFO | NO | 5637.0 | NO | NO |
| TITANIUM DIOXIDE | 13463-67-7 | 5% | 10 mg/m3 | NO INFO | NO | 0.0 | NO | NO |
| V.M. & P. NAPHTHA | 64742-48-9 | 5% | 300 ppm | 400 ppm | NO | 15.0 | NO | NO |
| ZINC CHROMATE (25% ZN), (25% CR), (4% BA) | 11103-86-9 | 5% | .01 mg/m3 | NO INFO | NO | 0.0 | YES | YES |

This Product Contains One Or More Materials Subject To The Reporting Requirements Of Section 313 Of The Emergency
Planning And The Community Right-To-Know-Acts Of 1986 And Of 40 CFR 372.

N.A. - Not Applicable

SECTION III - PHYSICAL DATA

| | | | |
|---------------------|---------------|-------------------|----------------------|
| Boiling Range: | 31-353 F | Vapor Density: | Is Heavier Than Air |
| Odor: | Solvent Odor | Evaporation Rate: | Unknown |
| Appearance: | Opaque Liquid | Solubility: | Unknown |
| Volatile By Weight: | 81.5% | Product Density: | 6.7 LBS./GAL. (U.S.) |
| Volatile By Volume: | 93.4% | | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | |
|------------------------------|----------------------------------|---------|------------|
| Flammability Classification: | Flash Point: | < -25 F | LEL: 0.9% |
| | (Tagliabue Closed Cup) | | UEL: 12.8% |
| OSHA - | Flammable Liquid - Class IA | | |
| DOT - | Flammable Gas | | |
| Extinguishing Media: | Dry Chemical Carbon Dioxide Foam | | |

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents Under Pressure. Do Not Use Or Store Near Sources Of Heat, Sparks Or Open Flame. Keep Away From Any Source Of Heat Such As Sunlight, Heaters Or Stoves That Could Cause The Container To Burst. Do Not Puncture Or Incinerate. Do Not Crush Or Place In A Garbage Compactor. Do Not Store Above 120 Degrees F. Aerosol Containers May Explode When Exposed To Extreme Heat. Product Vapors Are Heavier Than Air and May Travel A Long Distance To A Source Of Ignition And Flash Back.

SPECIAL FIRE FIGHTING PROCEDURES: Full Protective Equipment Including Self-contained Breathing Apparatus To Avoid Inhalation Of Vapors Should Be Used. Water Spray Should Not Be Used Except To Keep Down Vapors Or Cool Closed Containers To Prevent Build-up Of Pressure. If Water Is Used, Fog Nozzles Are Preferred.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE: INHALATION: Exposure To High Concentrations Of Vapors May Cause Dizziness, Breathing Difficulty, Headaches Or Respiratory Irritation. Extremely High Concentrations May Cause Drowsiness, Staggering, Confusion, Unconsciousness, Coma Or Death. High Concentrations Of Vapors May Be Irritating To The Throat And Lungs. Liquid Or Vapor May Be Irritating To Skin, Eyes, Throat Or Lungs. **SKIN CONTACT:** Repeated And Prolonged Contact With The Skin May Cause Allergic Dermatitis. May Cause Skin Irritation. **EYE CONTACT:** May Cause Eye Irritation. **INGESTION:** Moderately Toxic. May Cause Stomach Discomfort, Nausea, Vomiting, Diarrhea, And Narcosis. Chronic Overexposure To A Component Or Components In This Material Has Been Found To Cause The Following Effects In Laboratory Animals: Kidney Damage, Eye Damage, Liver Damage, Anemia, Chronic Over Exposure To A Component Or Components In This Product Has Been Suggested As A Cause Of The Following Effects In Humans: Liver Damage, Cardiac Abnormalities, Liver Abnormalities, Kidney Damage, Blood Damage, Lung Damage. Reports Have Associated Repeated And Prolonged Over Exposure To Solvents With Permanent Brain And Nervous System Damage. Product Contains Zinc Chromate Which Is Listed As A Carcinogen By IARC And NTP. Rats Exposed To Titanium Dioxide Dust At 250 Mg/M3 Developed Lung Cancer, However, Such Exposure Levels Are Not Attainable In The Work Place With This Material. Product Contains Chromium Compounds Which Are Listed By IARC As Chemicals Which There Is Considered Sufficient Evidence Of Carcinogenicity In Humans.

Medical Conditions Prone To Aggravation by Exposure: None Generally Recognized
Primary Route(s) Of Entry: Inhalation Dermal Ingestion

EMERGENCY AND FIRST AID PROCEDURES: For Overexposure INHALATION: Move Person To Fresh Air. If Breathing Stops, Apply Artificial Respiration And Seek Medical Attention. EYE CONTACT: Flush With Large Quantities Of Water For 15 Minutes. SKIN CONTACT: Wash Thoroughly With Soap And Water And Seek Medical Attention. Remove Contaminated Clothing. Launder Contaminated Clothing Before Reuse. INGESTION: Since This Product May Contain Materials Which Can Cause Lung Damage If Aspirated Into The Lungs, The Decision Whether To Induce Vomiting Or Not Must Be Made By A Physician After Careful Consideration Of All Materials Ingested.

SECTION VI - REACTIVITY DATA

| | |
|-----------------------------------|---|
| Stability | This Product Is Stable Under Normal Storage Conditions. |
| Hazardous Polymerization: | Will Not Occur Under Normal Conditions. |
| Hazardous Decomposition Products: | Thermal Decomposition May Produce Carbon Dioxide, Carbon Dioxide, And Unidentifiable Organic Materials. |
| Conditions To Avoid: | Avoid Contact With Heat, Sparks, And Open Flame. |
| Incompatibility: | Strong Oxidizing Agents. |

SECTION VII - SPILL OR LEAK PROCEDURES

| | |
|--|---|
| Steps To Be Taken In Case Material Is Released Or Spilled: | Remove All Sources Of Ignition. Avoid Heat, Sparks, Flames And Anything Which Could Cause Fire. Ventilate Area Of Spill And Adjacent Low Lying Areas. Avoid Breathing Solvent Vapors. Remove With Inert Absorbent Materials And Non-sparking Tools. |
| Waste Disposal Method: | Place In Closed Containers. Dispose Of Product In Accordance With Local, County, State, And Federal Regulations. |

SECTION VIII - SAFE HANDLING AND USE INFORMATION

| | |
|-----------------------------|---|
| Respiratory Protection: | If Work Place Exposure Limits Are Exceeded For Any Component (See Section II For Hazardous Components And Exposure Limits), A NIOSH/OSHA Approved Respirator Suitable For Components Listed Is Recommended. |
| Ventilation: | Sufficient Ventilation, In Volume And Pattern, Should Be Provided To Keep Air Contamination Below Current Applicable OSHA Permissible Exposure Limit Or ACGIH's TLV Limit. |
| Protective Gloves: | Chemical Resistant Plastic Or Rubber Gloves Recommended For Prolonged Or Repeated Contact. |
| Eye Protection: | Chemical Goggles With Side Shields Or Face Shield Recommended If Contact With The Eyes Is Likely. |
| Other Protective Equipment: | Appropriate Impervious Clothing Is Recommended If Prolonged Or Repeated Contact Is Likely. |
| Hygienic Practices: | Wash Hands Before Eating Or Smoking. Smoke In Designated Areas Only. |

SECTION IX - SPECIAL PRECAUTIONS

| | |
|--|---|
| Precautions To Be Taken In Handling And Storage: | Store In A Cool Dry Area With Ventilation Suitable For Storing Materials Shown In Section II Store In A Cool Place Away From Direct Sunlight Or Any Source Of Ignition. Do Not Store At Temperatures Above 120 Degrees F. |
| Other Precautions: | Intentional Misuse By Deliberately Concentrating And Inhaling The Contents Of This Product Can Be Harmful Or Fatal. |

SECTION X - HMIS RATINGS

| | |
|----------------------|---|
| Health: | 2 |
| Flammability: | 4 |
| Reactivity: | 0 |
| Personal Protection: | G |

The Information Contained Herein Is, To The Best Of Our Knowledge And Belief, Accurate. However, Since The Conditions Of Handling And Use Are Beyond Our Control, We Make No Guarantee Of Results, And Assume No Liability For Damages Incurred By Use Of This Material. It Is The Responsibility Of The User To Comply With All Applicable Federal, State And Local Laws And Regulations.