



A Nuwave Solutions, Inc. Company

31559 Groesbeck Hwy., Fraser MI 48026, 313-885-3452

1/1/19 SAFETY DATA SHEET PRIME ZINC PLUS, PZP-200, SZFA-29-248-NWS, Page 1 of 5

SECTION 1. IDENTIFICATION

PRODUCT INFORMATION PRODUCT NUMBER: SZFA-29-248- NWS, PRODUCT NAME: PRIME ZINC PLUS, ZINC RICH PRIMER 95++ CHEMICAL NAME: ORGANIC COATING CHEMICAL FAMILY: PAINT MANUFACTURER'S NAME: Nuwave Solutions, 31559 Groesbeck Hwy., Fraser MI 48026 INFORMATION TELEPHONE US: 708-385-6633 EMERGENCY TELEPHONE US (CHEMTREC)

800-424-9300 CHEMTREC INT'L: 011-703-527-3887

LABEL ELEMENTS:



SECTION 2. HAZARD(S) IDENTIFICATION

GHS CLASSIFICATION: Flammable Liquid - Category 2 Skin Irritation - Category 2 Eye Damage/Irritation - Category 2A Aspiration Hazard - Category 1 Specific target organ toxicity RE - Category 1 Specific target organ toxicity SE - Category 3 **LABEL ELEMENTS:** SIGNAL WORD: WARNING! HAZARD STATEMENT: H226: Flammable liquid and vapor. H302: Harmful if swallowed. H315: Causes skin irritation. H319: Causes serious eye irritation. H333: May be harmful if inhaled. H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness. H373: May cause damage to organs through prolonged or repeated exposure.

SECTION 2. HAZARD(S) IDENTIFICATION PRECAUTIONARY STATEMENTS: P210: Keep away from heat, sparks, open flames and other ignition source. P223: Do not allow contact with water, hydrogen gas may form. P240: Ground/bond container and receiving equipment. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/protective clothing/eye protection/face protection. **PREVENTION:** Keep away from heat and open flame. Use with adequate ventilation. **RESPONSE:** Wash thoroughly after handling. **DISPOSAL:** Dispose of in accordance with all local, regional, national, and international regulations. **SPECIAL PACKAGEING REQUIREMENTS** Not applicable **OTHER HAZARDS** none known

SECTION 3. COMPOSITION, INFORMATION ON INGREDIENTS

PERCENT INGREDIENT DESCRIPTION CAS NUMBER BY WGT *M I X T U R E* ZINC DUST 7440-66-6 73.3-91.0 TRIMETHYLBENZENE 95-63-6 1.1-1.8 SC-100 SOLVENT MIXTURE 2.6-3.3 #100 AROMATIC HYDROCARBON STODDARD SOLVENT 64742-47-8 7.0-8.6 SEE SECTION 8 FOR EXPOSURE LIMITS

SECTION 4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES: INHALATION Move to fresh air. If breathing stops, apply artificial respiration and seek immediate medical attention. EYE CONTACT Flush with large quantities of water for 15 minutes. SKIN CONTACT Wash thoroughly with soap and water and see a doctor. INGESTION do not induce vomiting. Contact physician or poison control center immediately. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND CHRONIC RECOMMENDATIONS FOR IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

SECTION 5. FIRE-FIGHTING MEASURES

FLAMMABILITY CLASSIFICATION: NA1993, COMBUSTIBLE LIQUID, N.O.S., P FLASH POINT: 105 (deg F) SETA LEL: .70 UEL: 22.70 EXTINGUISHING MEDIA: Foam, CO₂, Dry Chemical. **DO NOT USE WATER!! ** UNUSUAL FIRE AND EXPLOSION DATA: Do not mix with acid or caustic materials. Keep away from Heat, Sparks, Open Flame, Electrical Equipment, etc. DO NOT USE WATER. Hydrogen Gas may

SECTION 5. FIRE-FIGHTING MEASURES form producing an explosive environment. SPECIAL FIREFIGHTING PROCEDURES: Exclude air from fire. Respiratory equipment should be worn to avoid inhalation of vapors. DO NOT USE WATER!



SECTION 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition (heat, sparks, and open flame). Avoid breathing vapors. Ventilate area. Contain and clean up spills with non-sparking tools, rags, etc. Use inert absorbent materials on small spills or residuals of large spills. WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Use non-sparking tools when handling this material. Avoid hot surfaces. Use in cool, well-ventilated areas. Keep containers closed when not in use. Keep away from excessive heat and open flames. Avoid prolonged or repeated contact with the skin. Normally accepted grounding techniques are to be employed during all phases of handling and application. OTHER PRECAUTIONS: No Smoking in areas where this material is used. Plastic Utensils should not be used. Do not weld or flame cut on an "empty drum". Keep containers closed and upright when not in use. If the painted surface is to be welded, use a fan across the work area to prevent fumes from rising to the welder's face. Pump air into welder's hood to provide positive air pressure to prevent fumes from getting to welder. Maintain good personal hygiene and plant housekeeping. This coating may contain materials classified as nuisance particulates which may be present at hazardous levels only during sanding or abrading of the dried film.



SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS INGREDIENT DESCRIPTION CAS NUMBER EXPOSURE LIMITS ZINC DUST 7440-66-6 ACGIH TLV: N.E. OSHA PEL: N.E. TRIMETHYLBENZENE 95-63-6 ACGIH TLV: 25.00 ppm OSHA PEL: 25.00 ppm SC-100 SOLVENT MIXTURE ACGIH TLV: OSHA PEL: STODDARD SOLVENT 64742-47-8 ACGIH TLV: 100.00 ppm OSHA PEL: 500.00 ppm EXPOSURE CONTROLS RESPIRATORY PROTECTION: Provide NIOSH/MSHA approved organic vapor canister respirators where oxygen content is adequate and where airborne mists and vapor concentrations are above the time-weighted threshold limit values. When using in poorly ventilated and confined spaces, use a fresh air supply respirator or a self-contained breathing apparatus. VENTILATION: Mechanical ventilation or local exhaust must be used to keep vapor concentrations below TLV. All ventilation equipment must be explosion proof. PROTECTIVE GLOVES: Impermeable chemical handling gloves for skin protection. EYE PROTECTION: Use chemical safety glasses with side shields or goggles or face shields. OTHER PROTECTIVE EQUIPMENT: Use impermeable aprons and protective clothing whenever possible to prevent skin contact. The use of head caps wherever possible is recommended.

11/10/17 SAFETY DATA SHEET PRIME ZINC PLUS PZP-200, SZFA-29-248-NWS, Page 4 of 5

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 170 (deg F) **% VOLATILE-VOLUME:** 51.13 **VAPOR DENSITY:** HEAVIER THAN AIR **% NVM-WEIGHT:** 86.87 **EVAPORATION RATE:** SLOWER THAN BU AC **% NVM-VOLUME:** 48.86 **WEIGHT/GALLON:** 26.29 **VOC (lb/gl):** 3.36 **pH:**

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable **HAZARDOUS POLYMERIZATION:** Will not occur. **HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal Decomposition may yield Carbon Monoxide, Carbon Dioxide, and other hazardous products. **CONDITIONS TO AVOID:** Heat, Sparks, Open Flame, Electrical Equipment, Fire, Acids, Caustics, etc. **DO NOT MIX WITH WATER OR USE WATER FOR FIRE.** **INCOMPATIBILITY (MATERIALS TO AVOID):** Acids, Alkaline Materials and Oxidizers. **DO NOT USE WATER.** Hydrogen gas may form.

SECTION 11. TOXICOLOGICAL INFORMATION

INGREDIENT DESCRIPTION CAS NUMBER TOXICOLOGICAL DATA ZINC DUST 7440-66-6 LC50: N.E. LD50: N.E. TRIMETHYLBENZENE 95-63-6 LC50: LC50-18g/m³ 4h RAT LD50: LD50-6g/kg RAT STODDARD SOLVENT 64742-47-8 LC50: >20 mg/L LD50: >5000 mg/kg RAT LD50 Derm >2000 mg/kg Rat **TARGET ORGANS:** eyes, skin, central nervous system, liver, kidney, gastrointestinal tract, respiratory system, respiratory irritation **ROUTES OF ENTRY AND ACUTE EFFECTS OF EXPOSURE:** **CONTACT** Direct contact with this product may cause: eye irritation, dermatitis, skin irritation **INHALATION** If inhaled, may cause: central nervous system effects, respiratory irritation, central nervous system depression, headache **INGESTION** If swallowed, may cause: intestinal tract irritation, central nervous system depression, pneumonitis, blood, pancreas, heart, nausea, vomiting **ABSORPTION** If absorbed, may cause: skin irritation **PRIMARY ROUTES OF ENTRY:** Dermal, Inhalation, Ingestion, Absorption. **MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:** Anesthesia, respiratory tract irritation, dermatitis, nausea, vomiting. **CHRONIC EFFECTS OF OVEREXPOSURE:** cardiac abnormalities, liver damage, kidney damage, central nervous system effects

SECTION 12. ECOLOGICAL INFORMATION

Information based on available studies. ZINC Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. LC50 fish, 96 hr., 0.482 mg/l *Oncorhynchus tshawytscha* EC50 crustacea, 48hr, 0.068 mg/l, *daphnia magna* ErC50 algae, 72 hr., 0.106 mg/l, *Pseudokirchneriella subcapitata*



SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, provincial, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

UN PROPER SHIPPING NAME NA1993, COMBUSTIBLE LIQUID, N.O.S., PGIII

SECTION 15. REGULATORY INFORMATION

SECTION 313 SUPPLIER NOTIFICATION This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372: WEIGHT CHEMICAL NAME CAS NUMBER PERCENT ZINC DUST 7440-66-6 82.92 TRIMETHYLBENZENE 95-63-6 1.50 HAZARDOUS AIR POLLUTANTS This product contains the following chemical(s) which are on the list of hazardous air pollutants under Section 112(b) of the Clean Air Act. CHEMICAL NAME CAS NUMBER WEIGHT PERCENT CALIFORNIA PROPOSITION 65 CHEMICAL NAME



SECTION 15. REGULATORY INFORMATION ISOPROPYLBENZENE 98-82-8 BENZENE 71-43-2 CHEMICAL NAME CAS NUMBER

SECTION 16. OTHER INFORMATION

HMIS RATING: HFR PP ISSUE DATE PRINT DATE 221 J 08/12/15 11/10/17

DISCLAIMER OF LIABILITY *The information in this MSDS was obtained from sources we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS ACCURACY OR CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE, OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.*