



A NuWave Solutions Company

GALV-PRO A NUWAVE SOLUTIONS COMPANY SAFETY DATA SHEET

PRODUCT: GMP100, SZFA-26-310

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1. IDENTIFICATION OF THE SUBSTANCE

PRODUCT INFORMATION

PRODUCT NUMBER : SZFA-26-310
PRODUCT NAME : ALUMINUM ZINC RICH 70%++
CHEMICAL NAME : ORGANIC COATING
CHEMICAL FAMILY : PAINT

MANUFACTURER'S NAME: NUWAVE SOLUTIONS

31559 Groesbeck Hwy.
Fraser, MI 48026

INFORMATION TELEPHONE

US: 313-885-3452, Alt: 313-268-5162

EMERGENCY TELEPHONE

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

2. HEALTH-HAZARD IDENTIFICATION

TARGET ORGANS:

respiratory system, eyes, skin, central nervous system, liver,
kidney, gastrointestinal tract, upper respiratory system,
respiratory irritation

GHS CLASSIFICATION:

Flammable Liquid - 2
Skin Irritation - 3
Eye Damage/Irritation - 2A
Aspiration Hazard - 1
Specific target organ toxicity RE Inhalation [ears] - 2
Specific target organ toxicity SE [respiratory tract irr.] - 3



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Carcinogenicity: Inhalation - 2

Acute Toxicity: Skin - 4

Acute Toxicity: Inhalation - 4

Aquatic Toxicity (chronic) - 1

GHS LABEL ELEMENTS:

SIGNAL WORD: DANGER!

HAZARD STATEMENT:

Highly Flammable liquid and vapor

in contact with water releases flammable gas

Harmful if swallowed

Causes skin irritation

Causes serious eye irritation

May be harmful if inhaled

May cause respiratory irritation

May cause drowsiness or dizziness

Suspected of causing cancer if inhaled

May cause damage to organs through prolonged or repeated exposure

Very toxic to aquatic life with long lasting effects

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

3. COMPOSITION, INFORMATION ON INGREDIENTS

PERCENT

INGREDIENT DESCRIPTION	CAS NUMBER	BY WGT
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M I X T U R E

ALUMINUM (FUME OR DUST)	7429-90-5	2.5-3.2
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ZINC DUST	7440-66-6	35.1-43.5
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ZINC OXIDE	1314-13-2	.9-1.5
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XYLENE	1330-20-7	27.1-33.7
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ETHYL BENZENE	100-41-4	5.3-6.6
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IARC-2B



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ALIPHATIC HYDROCARBON 64742-89-8 3.0-3.7
STODDARD SOLVENT 8052-41-3 3.8-4.7

SEE SECTION 8 FOR EXPOSURE LIMITS

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.

5. FIRE-FIGHTING MEASURES

FLASH POINT: 45 (deg F) TCC 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 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!

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition (heat, sparks, 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:



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Dispose of in accordance with local, state, and federal regulations.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENT DESCRIPTION	CAS NUMBER	EXPOSURE LIMITS
ALUMINUM (FUME OR DUST)	7429-90-5	ACGIH TLV: 1.00 mg/m ³ OSHA PEL: 5.00 mg/m ³
ZINC DUST	7440-66-6	ACGIH TLV: N.E. OSHA PEL: N.E.
ZINC OXIDE	1314-13-2	ACGIH TLV: 2.00 mg/m ³ OSHA PEL: 5.00 mg/m ³
XYLENE	1330-20-7	ACGIH TLV: 100.00 ppm OSHA PEL: 100.00 ppm
ETHYL BENZENE	100-41-4	ACGIH TLV: 100.00 ppm OSHA PEL: 100.00 ppm
ALIPHATIC HYDROCARBON	64742-89-8	ACGIH TLV: 5.00 mg/m ³ OSHA PEL: 5.00 mg/m ³



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STODDARD SOLVENT 8052-41-3 ACGIH TLV: 100.00 ppm
OSHA PEL: 500.00 ppm

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 faceshields.

OTHER PROTECTIVE EQUIPMENT:

Use impermeable aprons and protective clothing whenever possible to prevent skin contact. The use of headcaps wherever possible is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT : 210 (deg F) % VOLATILE-VOLUME: 72.65
VAPOR DENSITY : HEAVIER THAN AIR % NVM-WEIGHT : 57.00
EVAPORATION RATE: SLOWER THAN BU AC % NVM-VOLUME : 27.34
WEIGHT/GALLON : 12.10 VOC (lb/gl) : 5.15
pH:

10. STABILITY AND REACTIVITY

STABILITY: Stable



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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.

11. TOXICOLOGICAL INFORMATION

INGREDIENT DESCRIPTION	CAS NUMBER	TOXICOLOGICAL DATA
ALUMINUM (FUME OR DUST)	7429-90-5	LC50 N.A. LD50 N.A.
ZINC DUST	7440-66-6	LC50 N.E. LD50 N.E.
ZINC OXIDE	1314-13-2	NIOSH REL 5 mg/m ³ NIOSH TWA 15 mg/m ³ (10 hr. ceil.)
XYLENE	1330-20-7	LC50 4544 mg/l Rat LD50 LD50 4300 mg/kg RAT REL 100 ppm NIOSH LD50 DERMAL 14,100 mg/kg Rabbit
ETHYL BENZENE	100-41-4	LC50 LCLo 4000 ppm 4h RAT LD50 LD50 3500 mg/kg RAT IDLH - 2000 ppm OSHA STEL 125 ppm IARC-2B
ALIPHATIC HYDROCARBON	64742-89-8	LC50 LC50 2.18 mg/l 4hr Rat



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LD50 LD50 >5000 mg/kg Rat

STODDARD SOLVENT 8052-41-3 LD50 LD50 >5000 mg/kg Rat
LD50 Derm >2000 mg/kg Rat

ROUTES OF ENTRY AND ACUTE EFFECTS OF EXPOSURE:

CONTACT Direct contact with this product may cause:
dermatitis, eye irritation, skin cracking,
skin irritation

INHALATION If inhaled, may cause:
respiratory irritation, metal fume fever,
central nervous system effects,
mucous membrane irritation, headache, narcosis,
central nervous system depression, drowsiness

INGESTION If swallowed, may cause:
intestinal tract irritation,
central nervous system depression, pneumonitis,
kidney damage, liver damage, nausea, pulmonary edema,
blood, pancreas, heart, 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, dermatitis

12. ECOLOGICAL INFORMATION

Information based on available studies: ZINC

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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LC50 fish, 96 hr, 0.482 mg/l *Oncorhynchus tshawytscha*
EC50 crustacea, 48 hr, 0.068 mg/l, *daphnia magna*
ErC50 algae, 72 hr, 0.106 mg/l, *Pseudokirchneriella subcapitata*

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Dispose of in accordance with local, state, provincial, and federal regulations.

14. TRANSPORT INFORMATION

UN1263, PAINT, 3, PGIII, LTD QTY

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	39.66
XYLENE	1330-20-7	30.70
ETHYL BENZENE	100-41-4	6.05

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
XYLENE	1330-20-7	30.70
ETHYL BENZENE	100-41-4	6.05

16. OTHER INFORMATION



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HMIS RATING: HFR PP ISSUE DATE PRINT DATE
231 J 08/19/15 10/07/15

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