

MULTI-ETCH™

Safety Data Sheet

Material Name: MULTI-ETCH™

*** Section 1 - Product and Company Identification ***

Manufacturer Information

Exotica Jewelry, Inc.
P.O. Box 9
Clarkdale, AZ 86324

Emergency # 1-800-535-5053 (24-hour)

*** Section 2 - Hazards Identification ***

GHS Classification:

Acute Toxicity - Oral Category 4
Acute Toxicity - Dermal Category 4
Acute Toxicity - Inhalation Category 4
Skin Corrosion/Irritation - Category 2
Eye Damage/Irritation - Category 2B

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

Warning

Hazard Statements

Harmful if swallowed, in contact with skin or inhaled.
Causes skin and eye irritation.

Precautionary Statements

Prevention

Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid breathing fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection

Response

If swallowed: Call a poison center or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

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If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage

Store in a well-ventilated place. Keep container tightly closed.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component
7732-18-5	Water
7727-54-0	Diammonium peroxodisulfate
7681-49-4	Sodium fluoride

*** Section 4 - First Aid Measures ***

First Aid: Eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

First Aid: Skin

For skin contact, flush with large amounts of water. If irritation persists, get medical attention.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting unless directed to do so by medical personnel.

First Aid: Inhalation

If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

Not normally combustible.

Hazardous Combustion Products

Not Determined.

Extinguishing Media

Use appropriate extinguishing media for surrounding fire.

Unsuitable Extinguishing Media

None

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

*** Section 6 - Accidental Release Measures ***

Recovery and Neutralization

Stop the flow of material, if this is without risk. Neutralization is not necessary.

Materials and Methods for Clean-Up

Attempt to reclaim the free product, if this is possible.

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Emergency Measures

Isolate area. Keep unnecessary personnel away.

Personal Precautions and Protective Equipment

Wear appropriate protective equipment and clothing during clean-up.

Environmental Precautions

Prevent run-off into sewers, streams or other bodies of water.

Prevention of Secondary Hazards

None

* * * Section 7 - Handling and Storage * * *

Handling Procedures

Avoid contact with skin and eyes. Avoid breathing vapor, mist or gas. Wash thoroughly after handling.

Storage Procedures

Keep container closed when not in use.

Incompatibilities

Not Determined.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Component Exposure Limits

Sodium fluoride (7681-49-4)

NIOSH: 2.5 mg/m³ TWA (as F)

Engineering Measures

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Personal Protective Equipment: Hands

Use impervious gloves.

Personal Protective Equipment: Eyes

Wear safety glasses.

Personal Protective Equipment: Skin and Body

Normal work clothing (long sleeved shirts and long pants) is recommended.

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*** Section 9 - Physical & Chemical Properties ***

Appearance:	Clear, colorless	Odor:	Slight
Physical State:	Liquid	pH:	6.8
Vapor Pressure:	ND	Vapor Density:	ND
Boiling Point:	ND	Melting Point:	ND
Solubility (H2O):	Soluble	Specific Gravity:	ND
Evaporation Rate:	ND	VOC:	ND
Octanol/H2O Coeff.:	ND	Flash Point:	ND
Flash Point Method:	NA	Upper Flammability Limit (UFL):	ND
Lower Flammability Limit (LFL):	ND	Burning Rate:	ND
Auto Ignition:	ND		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Hazardous Reaction Potential

Will not occur.

Conditions to Avoid

None

Incompatible Products

Not Determined.

Hazardous Decomposition Products

Not Determined.

*** Section 11 - Toxicological Information ***

Acute Toxicity

Component Analysis - LD50/LC50

Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

Diammonium peroxodisulfate (7727-54-0)

Inhalation LC50 Rat 520 mg/L 1 h; Oral LD50 Rat 495 mg/kg

Sodium fluoride (7681-49-4)

Oral LD50 Rat 52 mg/kg; Dermal LD50 Rat 175 mg/kg

Potential Health Effects: Skin Corrosion Property/Stimulativeness

Causes skin irritation.

Potential Health Effects: Eye Critical Damage/ Stimulativeness

Causes eye irritation.

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Potential Health Effects: Ingestion

Harmful if swallowed.

Potential Health Effects: Inhalation

May cause respiratory tract irritation.

Respiratory Organs Sensitization/Skin Sensitization

This product is not reported to have any sensitization effects.

Generative Cell Mutagenicity

This product is not reported to have any mutagenic effects.

Carcinogenicity

A: General Product Information

This product is not reported to have any carcinogenic effects.

B: Component Carcinogenicity

Sodium fluoride (7681-49-4)

IARC: Supplement 7 [1987] (listed under Fluorides inorganic used in drinking-water) (Group 3 (not classifiable))

Reproductive Toxicity

This product is not reported to have any reproductive effects.

Specified Target Organ General Toxicity: Single Exposure

This product is not reported to have any single exposure specific target organ toxicity effects.

Specified Target Organ General Toxicity: Repeated Exposure

This product is not reported to have any repeat exposure specific target organ toxicity effects.

Aspiration Respiratory Organs Hazard

This product is not reported to have any aspiration hazard effects.

*** Section 12 - Ecological Information ***
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Ecotoxicity

A: General Product Information

This product is not reported to have any ecotoxicity effects.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Diammonium peroxodisulfate (7727-54-0)

Test & Species

	Conditions
96 Hr LC50 Lepomis macrochirus	103 mg/L [static]
96 Hr LC50 Oncorhynchus mykiss	76.3 mg/L [static]
96 Hr LC50 Poecilia reticulata	323 mg/L
48 Hr EC50 Daphnia magna	120 mg/L

Conditions

Sodium fluoride (7681-49-4)

Test & Species

	Conditions
96 Hr LC50 Lepomis macrochirus	>530 mg/L
96 Hr LC50 Lepomis macrochirus	830 mg/L [semi-static]
96 Hr LC50 Oncorhynchus mykiss	38-68 mg/L [static]
96 Hr LC50 Pimephales promelas	180 mg/L [semi-static]

Conditions

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96 Hr EC50 Pseudokirchneriella subcapitata	272 mg/L
72 Hr EC50 Desmodesmus subspicatus	850 mg/L [static]
48 Hr EC50 Daphnia magna	338 mg/L
48 Hr EC50 Daphnia magna	98 mg/L [Static]

Persistence/Degradability

No information available for the product.

Bioaccumulation

No information available for the product.

Mobility in Soil

No information available for the product.

*** Section 13 - Disposal Considerations ***

Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

*** Section 14 - Transportation Information ***

DOT Information

Shipping Name: Not Regulated

*** Section 15 - Regulatory Information ***

Regulatory Information

US Federal Regulations

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Sodium fluoride (7681-49-4)

CERCLA: 1000 lb final RQ; 454 kg final RQ

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Diammonium peroxodisulfate	7727-54-0	No	No	No	Yes	No	No
Sodium fluoride	7681-49-4	Yes	Yes	No	Yes	Yes	No

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Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Sodium fluoride	7681-49-4	1 %

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Water	7732-18-5	Yes	DSL	EINECS
Diammonium peroxodisulfate	7727-54-0	Yes	DSL	EINECS
Sodium fluoride	7681-49-4	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

Literature References

None

End of Sheet