

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Product name EcoSeal Indoor / TZO
Synonyms
Chemical characterization Inert polymer fusion in water
Manufacturer, importer, supplier EcoSeal, Inc./ EST, INC. DUNS 604-17-9080
 2360 Corporate Circle, Suite 400
 Henderson, NV 89074-7739
EMERGENCY TELEPHONE NUMBER 1-800-222-1222

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% Weight	ACGIH TWA	Acute Toxicity	IARC*	NTP*	OSHA*
7732-18-5	Hydrogen Hydroxide	<30%	No	No	No	No	No
34346-01-5	Polymeric Nano Particles Fusion	<30%	No	No	No	No	No
13463-67-7	Nano TiO2	<10%	No	No	No	No	No
1314-13-2	Nano ZnO	<10%	No	No	No	No	No
63148-62-9	Organo Functional Siloxane Nano Blend	<20%	No	No	No	No	No

* IARC - Group 1 (Carcinogenic to humans)

* NTP - Report on Carcinogens - Known Carcinogens

* OSHA - Regulated Carcinogens

3. HAZARDS IDENTIFICATION**Emergency Overview**

Keep away from open wounds and cuts

Eye Contact	Avoid eye contact
Skin Contact	Avoid all skin contact
Inhalation	Avoid inhalation
Ingestion	Avoid ingestion
General Advice	Slight risk
Properties Affecting Health	Slight risk
Principle Routes of Exposure	Skin contact

4. FIRST AID MEASURES

General Advice	
Skin Contact	Rinse with soap and water
Eye Contact	Flush eyes with water
Inhalation	Move to well ventilated area
Ingestion	If swallowed see physician immediately
Notes to Physician	Inert polymers in water
Protection of First-Aiders	None –inert polymers in water
Aggravated Medical Conditions	None

5. FIRE-FIGHTING MEASURES

Flash Point	Same as water
Suitable Extinguishing Media	Water and foam are suitable

Extinguishing media which must not be used for safety reasons	None
--	------

Specific Hazards

Special exposure hazards rising from the substance or preparation itself, its combustion products, or released gases	None
Special protective equipment for firefighters	This is not a hazardous product therefore, no special equipment required

Specific Methods

NFPA (National Fire Protection Association)	Health 0	Reactivity 0	Fire 0	Special 0
HMIS (Hazardous Material Information System)	Health 0	Reactivity 0	Fire 0	Special 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	N/A
Environmental precautions	None. Safe to rinse down drain
Methods for cleaning up	Soap and water

7. HANDLING AND STORAGE

Handling

Technical Measures / Precautions	Store between 40 F and 110F
Safe Handling Advice	Store at room temperature. Do not freeze or boil

Storage

Technical Measures / Precautions	Keep container closed when not in use
Incompatible Products	Do not mix with other chemicals or cleaners
Specific use(s)	May make walking surfaces very slippery. Do not use on floors

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	None
-----------------------------	------

Personal protective equipment

Hand Protection	Where rubber gloves
Eye protection	Use chemical goggles and ensure an eyewash station is readily available
Respiratory Protection	Ensure there is adequate ventilation
Skin and Body Protection	Keep away from open wounds or cuts
Hygiene measures	
Environmental exposure controls	Contain the spill; recollect in suitable container for disposal

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form	Liquid
Appearance	white
Odor	Sweet lemon

Important Health Safety and Environmental Information

pH	7.0-8.0
Boiling Point / Range	Same as water
Flash Point	Same as water
Molecular Weight	Same as water
Vapor Pressure	Same as water

Vapor Density	Same as water
Water Solubility	100%
Specific Gravity	1.01
Melting Point / Range	N/A

10. STABILITY AND REACTIVITY

Stability	This material is stable
Materials to Avoid	Do not mix with other chemical
Hazardous Decomposition Products	None
Polymerization	Hazardous polymerization will not occur

11. OXICOLOGICAL INFORMATION

Acute Toxicity	N/A
Component Information	Water and inert polymers
Product Information	Water and inert polymers

Local Effects

Skin Irritation	Prolonged contact may dry skin and make it slippery
Eye Irritation	May cause slight redness
Inhalation	None - no data available
Ingestion	May cause slight stomach discomfort
Sensitization	None -no data available
Chronic Toxicity	None -no data available

Specific Effects

Carcinogenic Effects	N/A
Mutagenic Effects	N/A
Reproductive Toxicity	N/A
Target Organ Effects	N/A

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects None

Component information

CAS	Chemical Name	% Weight	ACGIH*	OSHA*

* ACGIH - Occupational Exposure Limits - TWA's

* OSHA - PELs

Product Information

Aquatic Toxicity	None
-------------------------	------

Other Information

Ozone Depletion Potential; ODP; (R-11=1)	None. Ozone safe, full VOC compliance
Global Warming Potential (GWP)	None. Non-pollutant for air, water, soil
Additional Ecological Information	N/A
Mobility	N/A
Bioaccumulative Potential	N/A
Ecotoxicity Effects	N/A
Aquatic Toxicity	N/A

13. DISPOSAL CONSIDERATIONS

Waste From Residues / Unused Products	Follow all federal, state, and local government regulations for disposal
Contaminated Packaging	As above

14. TRANSPORT INFORMATION

DOT	Shipping class -55
UN	N/A
Proper shipping name	Cleaning compound liquid
Packing group	PG-I
Subsidiary Risk	None
Description	Water and inert polymers

15. REGULATORY INFORMATION

CERCLA	RCRA	VOC	EUOED*

* EUOED - EU Occupational Exposure Directive (98/24/EC) Indicative Occupational Exposure Limit Values (IOELV)

16. OTHER INFORMATION

Literary Reference	None.
Prepared By	EST, Inc.
End of Safety Data Sheet.	