



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Trade name: Earth Shield® TPV Waterstop
Brand: Earth Shield®

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: No further relevant information available.
Uses advised against: All other uses.

1.3 Details of the supplier of the Safety Data Sheet

J P Specialties, Inc.
25811 Jefferson Ave,
Murrieta, CA 92562,
USA

Phone: +1 951-763-7077
Website: www.jp-specialties.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to OSHA Hazardous Communication Standard 29 CFR 1910.1200.
Skin Sensitization, Category 1
Eye damage, Category 1
Specific target organ toxicity, Single exposure, Category 3 (respiratory tract irritation)
Aquatic Toxicity, Chronic, category 2

2.2 Label elements

Labelling according to OSHA Hazardous Communication Standard 29 CFR 1910.1200.



Signal word: Danger

Hazard statements:

H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.
H411: Toxic to aquatic life with long lasting effects.

Precautionary statements:

P261: Avoid breathing dust or fumes.
P273: Avoid release to the environment.
P280: Wear protective gloves, protective clothing, eye and face protection.
P302+P352: IF ON SKIN: Wash with plenty of water and soap.



P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do — continue rinsing.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P391: Collect spillage.
P501: Dispose of contents/container in accordance with local regulations.

2.3 Other hazards
None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product does contain hazardous chemicals according to the OSHA Hazardous Communication Standard 29 CFR 1910.1200.

Ingredients:

Name	CAS No.	GHS classification	% (w/v)
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	Eye Dam. 1, H318 Aquatic Chronic 2, H411	<2.5
Zinc Oxide	1314-13-2	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	<2.5
Tin Dichloride	7772-99-8	Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1C, H314 Skin Sens. 1, H317 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 2, H373 Aquatic Acute 1, H400	<2.5

The exact percentages (concentration) of composition have been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- Following inhalation:** Move person to fresh air. Seek medical advice if symptoms persist.
- Following skin contact:** Wash thoroughly with soap and water. Remove contaminated clothing. Seek medical attention in case of irritation.
- Following eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention immediately.
- Following ingestion:** Rinse mouth. Do NOT induce vomiting unless directed by medical personnel. Seek medical attention if symptoms occur.
- Protection of first aider:** Not applicable.



4.2 Most important symptoms and effects

Symptoms: The known symptoms and effects are described in section 2.2 of this SDS.

Risks: Untreated symptoms may result in additional health risks.

4.3 Indication of any immediate medical and special treatment

The physician may contact the national poison center for advice.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use CO₂, foam, dry chemical, or water spray.

Unsuitable extinguishing media: No data available.

5.2 Specific hazards arising from mixture

Thermal decomposition or burning may release CO₂, CO, fume and a variety of products ranging from hydrocarbons to toxic/irritating gases.

5.3 Advice for fire fighters

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

5.4 Other information

No other information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Wear protective gloves, goggles, and respiratory protection if necessary.

6.2 Environmental precautions

Prevent entry into soil, drains, and watercourses due to aquatic toxicity of components.

6.3 Methods and material for containment and cleaning up

Collect mechanically and place in suitable containers for disposal. Avoid generating dust. Clean area with detergent and water.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Prevent dust accumulation. Ensure adequate ventilation.



7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions: Store in a cool, dry, well-ventilated place away from acids and oxidising agents. Keep container tightly closed.

Incompatible materials: See section 10.

7.3 Specific end uses

See section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No data available.

8.2 Exposure controls

Engineering controls:

Use local exhaust ventilation when cutting or grinding.

Personal Protective equipment:

Hand: Wear protective gloves.

Body protection: Impervious clothing.

Eye: Safety goggles or face shield.

Respiratory: Dust mask or respirator if dust generated.

Other measures: No statement available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid
Color:	Black
Odor:	Characteristic
Odor threshold:	No data available
pH:	No data available
Melting point/range:	No data available
Boiling point/range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative Density:	No data available
Solubility(ies):	Insoluble in water
Partition coefficient (n-octanol/water):	No data available



Auto-ignition temperature:	Product is not self igniting
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Above 250 °C process not available, decomposition occurs.

10.5 Incompatible materials

Strong oxidizers, halogenated compounds, acetal resin (POM).

10.6 Hazardous decomposition products

Carbon oxides, tin oxides, zinc oxides, nitrogen oxides, HCl.

SECTION 11: TOXICOLOGICAL INFORMATION

General information:

This product does not contain known human carcinogens.

11.1 Information on toxicological effects

Acute Toxicity:

No statements available for any of the ingredients.

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitization:

May cause an allergic skin reaction.

Germ cell mutagenicity:

No statements available for any of the ingredients.

Carcinogenicity:



This product does not contain known human carcinogens.

Reproductive toxicity:

No statements available for any of the ingredients.

STOT – single exposure:

May cause respiratory irritation.

STOT – repeated exposure:

No statements available for any of the ingredients.

Aspiration hazard:

No statements available for any of the ingredients.

Likely route(s) of exposure:

Skin exposure and eye exposure are the most likely to occur. Accidental ingestion is also possible.

SECTION 12: ECOLOGICAL INFORMATION

General information:

No statements available for any of the ingredients.

12.1 Toxicity

No statements available for any of the ingredients.

12.2 Persistence and degradability

Physical- and photochemical elimination:

No statements available for any of the ingredients.

Biodegradation:

Not easily biodegradable.

12.3 Bioaccumulative potential

No statements available for any of the ingredients.

12.4 Mobility in soil

Known/Predicted environmental distribution:

No statements available for any of the ingredients.

Surface tension:

No statements available for any of the ingredients.

Adsorption/Desorption:

No statements available for any of the ingredients.

12.5 Results of PBT and vPvB assessment

This product does not contain components which are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



12.6 Other adverse effects

No statements available for any of the ingredients.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product:

Can be disposed of with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. Smaller quantities can be disposed of with household waste.

Waste material:

Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR/RID/IDMG/IATA: Non-regulated

14.2 UN proper shipping name

ADR/RID/IDMG/IATA: Non-regulated

14.3 Transport hazard class(es)

ADR/RID/IDMG/IATA: Non-regulated

14.4 Packing group

ADR/RID/IDMG/IATA: Non-regulated

14.5 Environmental hazards

ADR/RID/IDMG/IATA: Non-regulated

14.6 Special precautions for user

No statements available.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable, as product is not shipped in bulk.

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA: Complies

DSL: No components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List.

US Federal Regulations



SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard: Yes
Chronic Health Hazard: No
Fire hazard: No
Sudden release of pressure hazard: No
Reactive Hazard: No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canada

WHMIS Hazard Class

Not determined.

SECTION 16: OTHER INFORMATION

Further information

The information presented in this Safety Data Sheet (SDS) is accurate to the best of our knowledge at the date of publication. The information given within the SDS is meant solely as a guide for safe handling, use, transportation, processing, storage, release and disposal. In no means can the information within the SDS be considered as a warranty or specification for quality.