

SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier

Trade name: Sprayable Seam Sealer Gray

Product Number: 1588

Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.

Application of the substance / the mixture: Sealant

Details Of The Supplier Of The Safety Data Sheet

Manufacturer/Supplier:

International Epoxies & Sealers
30241 Commerce Drive
San Antonio, FL 33576
Tel: 1-800-451-7206
Fax: 1-352-588-2465
Email: info@internationalepoxies.com

Information Department: Product safety department.

Emergency Telephone: INFOTRAC: 1-800-535-5053
Outside the U.S. Call collect: 1-352-323-3500

2. HAZARD(S) IDENTIFICATION

Classification Of The Substance Or Mixture



GHS02
Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS08
Carc. 2 H351 Suspected of causing cancer.



GHS07
Skin Irrit. 2 H315 Causes skin irritation.

- Classification According To Directive 67/548/EEC or Directive 1999/45/EC



Harmful
Harmful by inhalation and in contact with skin.



Irritant
Irritating to skin.

Flammable.

- Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

- Label Elements

GHS Label Elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard Pictograms:** GHS02, GHS07, GHS08

- **Signal Word:** Warning

- **Hazard-Determining Components Of Labeling:** *Titanium dioxide*

- Hazard Statements

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

SAFETY DATA SHEET

H351 Suspected of causing cancer.

- Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Hazard description:

- Canadian Hazard Symbols

B2 - Flammable liquid

D2B - Toxic material causing other toxic effects



- Classification system:

- NFPA ratings (scale 0 - 4)



- HMIS-ratings (scale 0 - 4)

HEALTH	2	Health = 2
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

- Other hazards

- Results of PBT and vPvB assessment

- BT: Not applicable.

- vPvB: Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- **Chemical Characterization:** Mixtures

- **Description:** Mixture of the substances listed below with additions.

Dangerous components:

Xylene, mixed isomers, pure	CAS: 1330-20-7	EINECS: 215-535-7	25-<50%
Titanium dioxide	CAS: 13463-67-7	EINECS: 236-675-5	1-<5%
Naphtha (petroleum), hydrodesulfurized heavy	CAS: 64742-82-1	EINECS: 265-185-4	<1%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES

Description Of First Aid Measures

- General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** If symptoms persist consult doctor.

- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

SAFETY DATA SHEET

5. FIRE FIGHTING MEASURES

Extinguishing media

- **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water. Water with full jet
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters**
 - Protective equipment:** Mount respiratory protective device.
 - Additional information:** Cool endangered receptacles with water spray.

6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures:**
 - Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose contaminated material as waste according to item 13.
 - Ensure adequate ventilation.
 - Do not flush with water or aqueous cleansing agents
- **Reference to other sections:**
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

7. HANDLING AND STORAGE

- **Precautions for safe handling:** Ensure good ventilation/exhaustion at the workplace. Use only in well ventilated areas.
- **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see item 7.

- Control Parameters

- Components with limit values that require monitoring at the workplace:

1330-20-7 Xylene, mixed isomers, pure

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm
	Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm
	Long-term value: 434 mg/m ³ , 100 ppm
	BEI

- Ingredients with biological limit values:

1330-20-7 Xylene, mixed isomers, pure

BEI	1.5 g/g creatinine
	Medium: urine
	Time: end of shift
	Parameter: Methylhippuric acids

- CAS No. Designation of material % Type Value Unit

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- Additional Information: The lists that were valid during the creation were used as basis.

- Exposure controls

- **Personal protective equipment:**
- **General protective and hygienic measures:**

SAFETY DATA SHEET

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the skin.
Avoid close or long term contact with the skin.
Avoid contact with the eyes and skin.

- Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- Protection of hands: Protective gloves

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Fluorocarbon rubber (Viton)

Recommended thickness of the material: ≥ 0.12 mm

Penetration time of glove material: > 480 min.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection: Tightly sealed goggles

- Body protection: Use protective suit.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information On Basic Physical And Chemical Properties

- General Information

- Appearance:

Form: Pasty

Color: Gray

Odor: Characteristic

Odor threshold: Not determined.

- pH-value at 20 °C: Not determined.

- Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 135°C

- Flash point: 24°C (DIN 53213)

- Flammability (solid, gaseous): Not applicable.

- Ignition temperature: 500°C

- Decomposition temperature: Not determined.

- Auto igniting: Product is not self-igniting.

- Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

- Explosion limits:

Lower: 1.0 Vol %

Upper: 7.0 Vol %

- Vapor pressure at 20°C: 6 hPa

- Vapor pressure at 50°C: 20 hPa

- Density at 20°C: 1.19 g/cm³ (DIN 51757)

Relative density: Not determined.

Vapor density: Not determined.

Evaporation rate: Not determined.

- Solubility in / Miscibility with Water: Not miscible or difficult to mix.

- Partition coefficient (n-octanol/water): Not determined.

- Viscosity:

Dynamic at 20 °C: 160000 mPas

Kinematic: Not determined.

- Solvent content:

Organic solvents: 39.7 %

- VOC Content: 39.7 %

- Solids content: 60.2 % (DIN 53216)

- Other information: No further relevant information available.

- VOC (EU): 39.71 %

- VOC (EU): 472.6 g/l

- VOC (US): 472.6 g/l / 3.94 lb/gl

SAFETY DATA SHEET

10. STABILITY AND REACTIVITY

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Carbon monoxide

11. TOXICOLOGICAL INFORMATION

- Information on toxicological effects

- Acute toxicity:

- LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	9.949 mg/kg
Dermal	LD50	4.984 mg/kg
Inhalative	LC50/4 h	418 mg/l

1330-20-7 Xylene, mixed isomers, pure

Oral	LD50	8700 mg/kg (RAT)
Dermal	LD50	2000 mg/kg (RABBIT)
Inhalative	LC50/4 h	6350 mg/l (RAT)
	LC50/24 h	100-1000 mg/l (DAPHNIA MAGNA)
	LC50/96 h	11.9-25.1 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)

13463-67-7 Titanium dioxide

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (RABBIT)
Inhalative	LC50/4 h	>6.8 mg/l (RAT)
	LC50/48 h	>100 mg/l (DAPHNIA MAGNA)
		>1000 mg/l (Fish)
	LC50/96 h	>100 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)
		>1000 mg/l (pimephales promelas)

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

Oral	LD50	>6500 mg/kg (RAT)
Dermal	LD50	>3000 mg/kg (RABBIT)

- Primary irritant effect:

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.

- Sensitization: No sensitizing effects known.

- Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful
Irritant

- Carcinogenic Categories

- IARC (International Agency for Research on Cancer)

1330-20-7	Xylene, mixed isomers, pure	3
9003-55-8	Benzene, ethenyl-, polymer with 1,3-butadiene	3
13463-67-7	Titanium dioxide	2B
100-41-4	Ethylbenzene	2B
1333-86-4	Carbon black	2B

- NTP (National Toxicology Program): None of the ingredients is listed.

- OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

Toxicity

- Aquatic toxicity:

13463-67-7 Titanium dioxide

EC50/72 h >10000 mg/l (ALGAE)

61 mg/l (SELENASTRUM CAPRICORNUTUM)

- **Persistence and degradability:** No further relevant information available.

- **Bioaccumulative potential:** No further relevant information available.

- **Mobility in soil:** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects:** No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packages:

- **Recommendation:** Disposal must be made according to official regulations.

14. TRANSPORTATION INFORMATION

- **UN-Number**

DOT, IMDG, IATA UN1263

ADR, ADN Void

- **UN proper shipping name**

DOT Paint related material

ADR, ADN Void

IMDG, IATA PAINT RELATED MATERIAL

- **Transport hazard class(es)**

- **DOT**

Class 3 Flammable liquids

Label 3



- **ADR, ADN**

Class Void

- **IMDG, IATA**

Class 3 Flammable liquids

Label 3



- **Packing Group**

DOT, IMDG, IATA III

ADR Void

- **Environmental hazards:**

Marine pollutant: No

- **Special precautions for user:** Not applicable.

- **EMS Number:** F-E,S-E

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

- **Transport/Additional information:** Transport classification ADR/IMDG is based on packaging >30ltr(IMDG), <450ltr(ADR).
For other packaging units different classification can apply.
See ADR 2.2.3.1.3/ 2.2.3.1.4 und IMDG 2.3.2.3 / 2.3.2.5

SAFETY DATA SHEET

- DOT

Quantity limitations: On passenger aircraft/rail: 60 L
On cargo aircraft only: 220 L

- IMDG

Limited quantities (LQ) 5L
Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

- UN "Model Regulation":

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15. REGULATORY INFORMATION

- Safety, health and environmental regulations/legislation specific for the substance or mixture

- Sara

- Section 355 (extremely hazardous substances):

None of the ingredient is listed.

- Section 313 (Specific toxic chemical listings):

Xylene, mixed isomers, pure	25-<50%
butan-1-ol	<1%
Ethylbenzene	<1%

- Proposition 65

- Chemicals known to cause cancer:

Titanium dioxide	1-<5%
Ethylbenzene	<1%
Carbon black	<1%

- Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

- Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

- Cancerogenity categories

- EPA (Environmental Protection Agency)

Xylene, mixed isomers, pure	I	25-<50%
butan-1-ol	D	<1%
Ethylbenzene	D	<1%

- TLV (Threshold Limit Value established by ACGIH)

Xylene, mixed isomers, pure	A4	25-<50%
Titanium dioxide	A4	1-<5%
Ethylbenzene	A3	<1%
Carbon black	A4	<1%

- NIOSH-Ca (National Institute for Occupational Safety and Health)

Titanium dioxide	1-<5%
Carbon black	<1%

- GHS Label Elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

- Hazard Pictograms: GHS02, GHS07, GHS08

- Signal Word: Warning

- Hazard-determining components of labeling: Titanium dioxide

- Hazard statements

H226 Flammable liquid and vapor.
H315 Causes skin irritation.
H351 Suspected of causing cancer.

- Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- National regulations:

- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SAFETY DATA SHEET

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS:** Product safety department.

· **Contact:** info@internationalepoxies.com

· **Date of preparation / last revision:** 09/25/2014 / 2

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Carc. 2: Carcinogenicity, Hazard Category 2

- * **Data compared to the previous version altered.**

END OF MSDS