



Material Safety Data Sheet

Visible Implant Elastomer Tags, 10:1 Formulation

Application Note APE 02.1

1. PRODUCT AND COMPANY IDENTIFICATION

Northwest Marine Technology, Inc.
P.O. Box 427
Shaw Island, Washington 98286

Emergency Telephone: (360) 468-3375
Customer Service: (360) 468-3375

Trade Name: Visible Implant Elastomer Tag

Chemical Family: Silicone

Other Product Information: The base (Part A) is not a hazardous material as defined in the OSHA Hazard Communication Standard. The base contains a very small amount (less than 0.1%) of a potentially hazardous compound, formaldehyde. The maximum possible level of formaldehyde that could be released into the environment is far below the level allowed by OSHA. The information below applies to the curing agent (Part B) of the two-part kit. Handle freshly mixed elastomer material as recommended for the curing agent. After curing, the product is not hazardous. Visible Implant Elastomer Tags are available in various colors. All colors are equally non-hazardous.

National Fire Protection Association Profile: Health 0 Flammability 1 Instability/Reactivity 1

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Acute Effects

Eye: Direct contact may cause temporary redness and discomfort.
Skin: No significant irritation expected from a single short-term exposure.
Inhalation: No significant effects expected from a single short-term exposure.
Oral: Low ingestion hazard in normal use.

Prolonged/Repeated Exposure Effects

Skin, inhalation, oral: No known applicable information.

Signs and Symptoms of Overexposure

No known applicable information.

Medical Conditions Aggravated by Exposure

No known applicable information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number	Wt %	Component Name
68037-59-2	10.0 - 30.0	Dimethyl, methylhydrogen siloxane

The above component is hazardous as defined in 29 CFR 1910.1200.

4. FIRST AID MEASURES

Eye: Immediately flush with water.
Skin, inhalation, oral: No first aid should be needed.
Notes to physician: Treat symptomatically.



Material Safety Data Sheet

Visible Implant Elastomer Tags, 10:1 Formulation

Application Note APE 02.1

5. FIRE FIGHTING MEASURES

Flash point: > 214 °F / > 101.1 °C (Closed Cup)
Autoignition temperature: Not determined.
Flammability limits in air: Not determined.

Extinguishing media: On large fires use AFFF alcohol compatible foam or water spray (fog). On small fires use AFFF alcohol compatible foam, CO2 or water sprays (fog). Water can be used to cool fire exposed containers. Do not allow extinguishing medium to contact container contents. Most fire extinguishing media will cause hydrogen evolution. When the fire is put out, hydrogen may accumulate in poorly ventilated or confined areas and result in flash fire or explosion if ignited. Foam blankets may also trap hydrogen or flammable vapors, with the possibility of subsurface explosion.

Unsuitable Extinguishing Media: Dry chemical.

Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Determine the need to evacuate or isolate the area according to your local emergency plan.

Unusual Fire Hazards: None.

6. ACCIDENTAL RELEASE MEASURES

Use absorbent material to collect and contain for salvage or disposal.

Waste disposal method: All local, state and federal regulations concerning health and pollution should be reviewed to determine approved disposal procedures.

7. HANDLING AND STORAGE

Use with adequate ventilation. Avoid eye contact.

Product evolves minute quantities of flammable hydrogen gas which can accumulate. Adequately ventilate to maintain vapors well below flammability limits and exposure guidelines. Do not repackage. Do not store in glass containers which may shatter due to pressure build up. Clogged container vents may increase pressure build up. Keep container closed and store away from water or moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits: There are no components with workplace exposure limits.

Engineering Controls: Local and general ventilation are recommended.

Personal Protective Equipment for Routine Handling and Spills

Eyes: Use proper protection - safety glasses as a minimum.
Skin: Washing at mealtime and end of shift is adequate.
Suitable Gloves: No special protection needed.
Inhalation: No respiratory protection should be needed.
Precautionary Measures: Avoid eye contact. Use reasonable care.

Comments: When heated above 150°C (300°F) in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate eyes, nose, and throat. Safe handling conditions may be maintained by keeping vapor conditions within the OSHA permissible exposure limit for formaldehyde.



Material Safety Data Sheet

Visible Implant Elastomer Tags, 10:1 Formulation

Application Note APE 02.1

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor, appearance, color: little odor, liquid, some color
Specific gravity (at 77 °F): 0.972
Vapor pressure: less than 5 mm
Percent volatile by weight (%): less than 5
Solubility in water (%): less than 0.1

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.
Hazardous Polymerization: Hazardous polymerization will not occur.
Conditions to Avoid: None.
Materials to Avoid: Oxidizing material can cause a reaction. Water, alcohols, acidic or basic materials, and many metals or metallic compounds, when in contact with product, liberate flammable hydrogen gas, which can form explosive mixtures in air.

Hazardous Decomposition Products: Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. Hydrogen.

11. TOXICOLOGICAL INFORMATION/ ECOLOGICAL INFORMATION

No known applicable information.

12. TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101): Not subject to DOT.
Ocean Shipment (IMDG): Not subject to IMDG code.
Air Shipment (IATA): Not subject to IATA regulations.

13. REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances (40 CFR 355): None.

Section 304 CERCLA Hazardous Substances (40 CFR 302): None.

Section 311/312 Hazard Class (40 CFR 370): Acute - No; Chronic - No; Fire - No; Pressure - No;
Reactive - Yes

Section 313 Toxic Chemicals (40 CFR 372):

None present or none present in regulated quantities.

14. OTHER INFORMATION

These data are offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable in the context of the intended use.