Safety Data Sheet

Revision Date: 6/02/2023

1. IDENTIFICATION

Product Identifier: Insta-Mold Featherweight Silicone Mix (Part B)
Recommended use: To make custom molded ear molds, earplugs, communication ear pieces, or other Moldmaking applications.
Recommended restrictions: None known

Manfacturer Information

Company Name:	Insta-Mold Products, Inc.	
Address:	640 Hollow Road, Oaks, PA 19456, USA	
Telephone:	General Assistance:	610-935-7270
Email:	moreinfo@instamold.com	
Contact person:	Health & Safety	
Emergency phone Number	24 hour: CHEMTREC	800-424-9300

2. Hazard(s) Identification

Physical hazards: Not classified
Health hazards: Not classified
OSHA defined hazards Not classified
Label elements
- **Hazard symbol** None
- **Signal word** None
- **Hazard statement** Hazard statement

Precautionary statement
- **Prevention** Observe good industrial hygiene practices
- **Response** Wash Hands after handling
- **Storage** Store away from incompatible materials
- **Disposal** Dispose of waste and residues in accordance with local authority requirements

Hazard(s) not otherwise Classified (HNOC) None known

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Polyvinylsiloxane	68083-19-2	40-60
Methylhydrogensiloxane Dimethylsiloxane Copolymer	68037-59-2	1.0-2.5
Pigment	Mixture	2-4
Fumed silica	68909-20-6	10-30

4. First-aid meaures

Inhalation Move to fresh air. Call a physician if symptons develop or persist.

Skin contact and persists Wash off with soap and water. Get medical attention if irritation develops

Eye contact Rinse with water. Get medical attention if irritation develops and persists

Ingestion Rinse mouth. Get medical attention if symptons occur.

Most important Symptons/effects, Acute and delayed Direct contact with eyes may cause temporary irritation

Indication of immediate Medical attention and Special treatment needed Treat symptomatically

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing Media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards During fire, gases hazardous to health may be formed. Do not mix with strong alklis such as sodium hydroxide or potassium hydroxide with heat (> 1200 C). This can cause the generation of silicone cyclic compounds that are flammable.

Fire fighting Move containers from fire area if you can do so without risk

Equipment/instructions

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials

6. Accidental release mesures

Personal Precautions Keep unneccary personnel away. Avoid contact with eyes. For personal protective equipment and protection, see section 8 of the SDS

Emergency procedures

Methods and materials for containment and cleaning up Scrape up with putty blade. Wipe up with absorbent material. and clean thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS

Environmental precautions Avoid discharge into drains, water courses or onto the ground

7. Handling and storage

Precautions for safe handling Wear appropriate personal protective equipement. Avoid contact with eyes and clothing. Wash thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage Store in original tightly closed container. Store in a cool, dry place. Store

Including any incompatibilities away from incompatible materials (See Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits No exposure limits noted for ingredient(s)

Biological limit values No biological exposure limits noted for the ingredient(s)

Appropriate engineering controls Good general ventilation. This product may be capable of generating 0.1 ppm or greater formaldehyde vapors under certain use conditions. According to OSHA 29 CFR 1910.1048 formaldehyde vapors may be considered hazardous if workplace airborne concentrations exceed p.1 ppm.

Individual protection measures, such as personal personal protective equipment

Eye/face protection: Safety glasses

Skin protection: Vinyl gloves can be worn

Respiratory Protection None

Thermal hazards N.A.

General hygiene consierations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work closthing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Phyical state	Putty
Form	Putty
Color	Available in blue, green, red, orange, pink, purple, yellow, tan, black, brown.

Odor	Mild to none
Odor threshold	Not available
pH	Not available
Melting point/freezing point	Not determined
Initial boiling point and boiling range	Not available
Flash point	131 Celcius
Evaporation rate	Not available
Flammability (solid,gas)	Not applicable
Upper/lower flammability or explosive limits	
Flammability limit-lower(%)	Not available.
Flammability limit-upper(%)	Not available
Explosite limit – lower (%)	Not available
Explosive limit – upper (%)	Not available
Vapor pressure at 20 degrees C	100 hPa
Vapor denisty	Not determined
Relative density	0.9 g/cm3
Solubility(ies)	
Solubility (water)	Not miscible
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not determined
Other information	
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

10. Stability and reactivity

Reactivity	The product is stable and non-rective under normal conditions or use, storage and transport
Chemical Stability	Material is stable under normal conditions.
Possibility of hazardous Reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid temperatures exceeding the flash point
Incompatible maerials	Strong oxidizing agents. Strong alkalis.
Hazardouus decomposition products	Methylpolysiloxanes can generate formaldehyde at approximately 300 degreesFahrenheit (150 C) and above, in atmospheres which contain oxygen.

11. Toxicological information

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected
Skin contact	No adverse effects due to skin contact are expected
Eye contact	Direct contact with eyes may cause irritation
Ingestion	Expected to be a low ingestion hazard

Symptons related to the Physical, chemical and Toxicological characteristics Direct contact wit eyes may cause temporary irritation

Information on Toxicological effects

Acute toxicity	Not available
Skin corrosion/irritation	Prolonged skin contact rarely causes temporary irritation
Serious eye damage/eye Irritation	Direct contact with eyeeesss may cause temporary irritation
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer
Skin sensitization	This product is not expected to cause skin sensitization
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specificially Regulated Substances (29 CFR 1910.1001-1050)

Not listed

Reproductive toxicity developmental effects.	This product is not expected to cause reproductive or
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not an aspiration hazard

12. Ecological information

Ecotoxicity	This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and Degradability	No data is available on the degradability of this product
Bioaccumulative Potential	No data available
Mobility in soil	No data available
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal consideration

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues	Dispose of in accordance with local regulation. Empy containers may retain some product residue. This material and its container must be disposed of in a safe manner.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal

14. Transport information

DOT

Not regulated as dangerous goods

IATA

Not regulated as dangerous goods

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and The IBC Code Not established

15. Reguulatory Information

US federal regulations This product is not know to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR **1910.1200**

TSCA Section 12 (b) Export Notification (40 CFR 707, Subpt. D)

Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories

Immediate Hazard – No
Delayed Hazard – No
Fire Hazard – No
Pressure Hazard –No
Reactivity Hazard –No

SARA 302 Extremely hazardous substance

Not listed

SARA 311/312 Hazardous Chemical No

SARA 313 (TRI reporting)
Not regulated

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated

Clear Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130)
Not regulated

Safe Drinking Water Act (SOWA) Not regulated

US state regulations

US. Massachusetts RTK – Substance list
Not regulated

US. New Jersey Worker and Community Right-to-Know Act
Not listed

US. Pennsulvania Worker and Community Right-to-Know Law
Not listed

US. Rhode Island RTK
Not regulated

US, California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1966 (Proposition 65): This material is not know to contain any chemicals currently listed as carcinogens or reporoductive toxins.

International Inventories

Country(s) or region	**Inventory name**	**On Inventory** (yes/no)*
Australia	Australian Inventory of Chemical Substances	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	Duropean List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemical List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Phillippine Inventory of Chemicals and Chemical Substances (PICCS)	yes

A "Yes" indicates this product complies with the inventory requirements administered by the governing coutry(s)
A "No" indicates that one or more components of this product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information, including date of preparation or last revision

Issue date: 9/19/2014
Revision date: May 28, 2015
Version #8

HMIS ratings:	Health: 1 Flammability: 1 Physical hazard: 0
Disclaimer:	Insta-Mold Products, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of this product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.