MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT IDENTIFICATION

Product identifier: **Expert Silicone Concentrate**
Product Number: 1749 & 1752
Hazard Ratings: Health (NFPA): 0 Health (HMIS): 0 Flammability: 0 Reactivity: 0
State Regulations: This product does not contain any components that are regulated under California Proposition 65.
Date: February 20, 1997 **Date Revised:** April 1, 2009
Manufacturer's name and address: Refer to supplier
Supplier name and address:

ALBATROSS USA INC./EXPERT WORLDWIDE

36-41 36th Street
Long Island City, New York
United States
11106
718-392-6272

5439 San Fernando Road West
Los Angeles, California
United States
90039
818-543-5850

Emergency Telephone #: Chemtrec (Day or Night) 800-424-9300
(For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)

This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet Community Right To Know laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS.

This MSDS complies with 29 CFR 1910.1200 (The Hazard Communication Standard)

SECTION 2 — COMPONENTS

Ingredients	% wt.	CAS #	Hazard Data
Polydimenthyl Siloxane	100%	63148-62-9	None

SECTION 3 — PHYSICAL DATA

Physical and chemical properties here represent typical properties of this product.

Boiling Point (760 mm Hg): No Data Available
Melting Point Range: No Data Available
Freezing Point Range: -54° C (-65° F)
Vapor Pressure (20° C): < 0.01 mm Hg @ 200° C (392° F)
Vapor Density (Air = 1): No Data Available
Solubility in Water: Insoluble
Appearance & Odor: Clear, viscous liquid; odourless
Specific Gravity (H_2O = 1): > 0.96 @ 25° C (77° F)
pH: NA

SECTION 4 — FIRE AND EXPLOSION DATA

Flash Point (°F): 300° C (572° F)
Flammability Class: Will Burn
Method Used: Closed Cup
Autoignition Temperature: 662° C (1224° F)
Flammable Limits in Air, % by Volume: Lower: No Data Upper: No Data
Extinguishing Media: Recommended: Dry Chemical, Foam or Carbon Dioxide
Special Firefighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Cool containers exposed to fire with water.
Unusual Fire and Explosion Hazards: Product will burn under fire conditions.
Hazardous Decomposition Materials (Under Fire Conditions): Formaldehyde, Oxides of Carbon, Silica (Crystalline)

SECTION 5 — REACTIVITY DATA

Stability: Stable under normal handling and storage conditions.
Conditions and Materials to Avoid: Avoid heat, Open flames, and sparks. Avoid strong bases, strong acids, and strong oxidizing agents.
Hazardous Decomposition Products: The following Hazardous Decomposition Products might be expected:
Decomposition Type – Thermal: Dimethylcyclosiloxanes, Methylphenylcyclosiloxanes
Decomposition Type – Oxidative/Thermal: Formaldehyde
Hazardous Polymerization: Will no occur

SECTION 6 — SPILL, LEAK AND DISPOSAL PROCEDURES

Evacuation Procedures and Safety: Wear appropriate protective gear for the situation. CAUTION: Spilled material may make the floor slippery. Do not leave traces of product on floors, ladders, etc., as this may present a slipping hazard.
Clean-Up and Disposal of Spill: Absorb with an inert absorbent. Scrape up and place in an appropriate closed container. Clean up residual material with an appropriate solvent like paint thinner or mineral spirits, provided that there is good ventilation and no sources of ignition.
Environmental and Regulatory Reporting: DO NOT FLUSH TO DRAIN!!!!
Waste Disposal Method: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.
Container Handling and Disposal: Any containers or equipment used should be decontaminated immediately after use.

SECTION 7 — HEALTH HAZARD DATA

Routes of Exposure:
Inhalation: Inhalation is not likely to occur.
Eye Contact: Non-irritating. May cause foreign body irritation only.
Skin Contact: Non-irritating. Low acute dermal toxicity.
Ingestion: Low acute oral toxicity.

Chronic Effects: This product does not contain any ingredients designated by IARC, NTP, ACGIH, or OSHA as probably or suspected human carcinogens.
Medical Conditions Possibly Aggravated By Exposure: No specific information.

This product, as sold, does not meet the OSHA definition of a hazardous material. This product contains Dimethylpolysiloxane which can generate Formaldehyde as a by-product of Oxidative Thermal decomposition beginning at approximately 150° C (300° F). Exposure to Formaldehyde can cause adverse effects such as skin and respiratory sensitization and eye and throat irritation. Formaldehyde is a potential cancer hazard. Use good industrial hygiene practices to evaluate and control exposure to Formaldehyde when warranted by conditions of use. Based on currently available data, this product does not meet the OSHA definition of a hazardous substance. However, good industrial hygiene practices should be used in handling it.

SECTION 8 — FIRST AID PROCEDURES AND PHYSICIAN NOTES

EYES: In case of contact, immediately absorb excess with clean absorbent cloth or cotton. Then, hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.
SKIN: Immediately wipe excess material off skin with a dry cloth; then wash skin with plenty of soap and water. Seek medical attention if irritation develops or persists.
INHALATION: Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.
INGESTION: If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. **Seek Medical Attention. Do not leave victim unattended.**

NOTES TO PHYSICIAN: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote is available.

SECTION 9 — HANDLING AND STORAGE

Minimum/Maximum Storage Temperatures: 5 to 25° C (41 to 77° F)

Handling: Avoid direct or prolonged contact with skin and eyes.

Storage: Store in tightly closed containers. Recommended container materials include: Epoxy-coated Steel, Ordinary Steel, or Polyethylene. Store in an area that is dry, well-ventilated, away from ignition sources, and away from incompatible materials.

SECTION 10 — EXPOSURE CONTROLS/PERSONAL PROTECTION

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with the appropriate disposal considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

Check OSHA and ACGIH Exposure Limit Guidelines for Formaldehyde, a by-product of Oxidative Thermal decomposition of Dimethylsiloxane, of this product is handled above 150° C (300° F).
Exposure Guidelines: No exposure limits (ACGIH, OSHA or other) were found for this product or any of its ingredients.
Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation.

Respiratory Protection: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the latest OSHA standard (29 CFR 1910.134) and/or ANSI Z88.2 recommendations.

For reasonably foreseeable industrial end uses of this material, respiratory protection should not be necessary.

Eye/Face Protection: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

Skin Protection: Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

Work Practice Controls: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

SECTION 11 — TOXICOLOGICAL INFORMATION

The following data is for similar or related products.

Acute Eye Irritation: Eye irritation in rabbits. Non-irritating. Data for a similar product with lower viscosity.
Acute Skin Irritation: Skin irritation in rabbits. Non-irritating. Data for a similar product with lower viscosity.
Acute Dermal Toxicity: LD50 – lethal dose 50% of test species. >5000 Mg/Kg (rat). No deaths were observed. Data for similar product with lower viscosity.
Acute Respiratory Irritation: No test data found for product.
Acute Inhalation Toxicity: No test data found for product.
Acute Oral Toxicity: LD50 – lethal dose 50% of test species. >5000 Mg/Kg (rat). No deaths were observed. Data for a similar product with lower viscosity.
Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARC, or ACGIH to be “probable” or “suspected” human carcinogens. Under certain conditions, this product may generate formaldehyde as a by-product of oxidative thermal decomposition. Formaldehyde is listed as a potential human carcinogen by IARC, OSHA, and ACGIH.

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DISLCAIMER:

All information appearing herein concerning our product is based upon tests and data believed to be reliable; however it is the users responsibility to determine the safety, toxicity and stability of the product for their own use. Since the actual use by others is beyond our control, no guarantee expressed or implied, is made by Albatross/Expert as to the effects of such use. The results to be obtained, or the safety and toxicity of the product, nor does Albatross/Expert assume any liability arising out of the use of others, of the product referred to herein nor is the information herein to be construed as absolutely complete since additional information may be necessary when particular conditions exists or because of applicable laws or government regulations.