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**SAFETY DATA SHEET**

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Tri-Art Manufacturing Inc.  
4 Harvey Street  
Kingston, ON, K7K 5B9  
Canada  
(613) 541-0299

**PRODUCT: Cell Flow**

**SECTION 01: IDENTIFICATION**

Initial supplier identifier..... Tri-Art Manufacturing Inc.  
4 Harvey Street  
Kingston, ON. K7K 5B9  
Canada  
1-888-541-0299

Product identifier..... Cell Flow

Recommended use and restrictions ..... Silicone fluid for consumer use. .

Emergency telephone number and any ... (613) 541-0299 (9 am to 5 pm EST).  
restrictions

**SECTION 02: HAZARD IDENTIFICATION**

Hazard Classification..... Non-toxic - does not meet OSHA Hazard Communication classification criteria. Does not meet any hazard criteria defined by the Hazardous Products Regulations 2015.

Signal Word..... Not hazardous.

Precautionary Statements..... Avoid prolonged contact with skin. Avoid contact with eyes. Wash skin thoroughly after handling. Do not ingest this product and wash hands before consuming food. .

Hazard Description..... Not applicable. .

**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
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This product does not contain any ingredients that are hazardous      None

**SECTION 04: FIRST-AID MEASURES**

General..... If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

Eye Contact..... Immediately flush eyes with running water for at least 5 to 10 minutes. If irritation persists, seek prompt medical attention.

Ingestion..... Do not induce vomiting. Never give anything by mouth if victim is unconscious. Consult a physician.

Inhalation..... If affected, remove to fresh air. Get medical attention if symptoms occur.

Skin Contact..... Wash off with soap and plenty of water. In the unlikely event that irritation occurs, consult with your doctor. .

Additional Information..... Wear proper personal protective clothing and equipment.

Most important symptoms and effects, both acute and delayed ..... Irritation. Pre-existing skin problems may be aggravated by prolonged or repeated contact. See section 11 for additional information.

Indication of any immediate medical ..... Treat symptomatically.  
attention and special treatment needed, if necessary

**SECTION 05: FIRE-FIGHTING MEASURES**

Suitable and unsuitable extinguishing ..... Suitable - NFPA Class IIIB (Combustible Liquid): Use water spray, ABC dry chemical, foam media or carbon dioxide. Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures. Unsuitable - None known.

Hazardous Combustion Products..... Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (10.6 Hazardous decomposition products) for additional information.

Specific hazards arising from the ..... Product is not considered a fire hazard, but will burn if ignited. Closed container may hazardous product rupture (due to build up in pressure) when exposed to extreme heat.

Special protective equipment and ..... Wear self-contained breathing apparatus (SCBA) equipped with a full face piece and precautions for fire-fighters operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations. See section 9 for additional information.



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**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal Precautions / protective equipment ..... See Section 9 for recommendations on the use of personal protective equipment. If spilled in an enclosed area, ventilate. Eliminate ignition sources.  
 Emergency Procedures..... Keep children and all others away from spilled material.  
 Environmental precautions..... Do not flush liquid into public sewer, water systems or surface waters.  
 Methods / Materials For Containment..... Contain by diking with sand, earth or other non-combustible material. Wear proper personal protective clothing and equipment. Absorb spill with an inert material. Place into labeled, closed container; store in safe location to await disposal. Change contaminated clothing and laundry before reuse. Spillage may cause SLIPPERY CONDITIONS (especially when wet).

**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling..... As with any chemical product, use good workplace procedures. Do not cut, puncture, or weld on or near the container. Wash thoroughly after handling this product. Always was up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapour. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Provide eyewash fountains and safety showers in the work area. Traces of formaldehyde and other thermal decomposition products may form at temperatures above 302°F (150°C) in the presence of air. At elevated temperatures, provide adequate ventilation.  
 Conditions for safe storage, including any incompatibilities ..... Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. keep container closed when not in use. Empty container contains residual product which may exhibit hazards of product. Do not reuse empty container without commercial cleaning or reconditioning.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
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This product does not contain any ingredients that are hazardous      Not applicable      Not applicable      Not applicable      Not applicable      Not applicable

Personal protective equipment:  
 Clothing/Type..... Use good workplace procedures including personal protective equipment and clothing.  
 Eye/Type..... Wear eye protection.  
 Gloves/Type..... Wear protective gloves. .  
 Engineering Controls..... Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapour away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.  
 Occupational exposure limits..... No applicable exposure limits.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Physical Appearance..... Liquid.  
 Color..... COLOURLESS.  
 Odour..... CHARACTERISTIC ODOUR.  
 Odour Threshold (ppm)..... No data available.  
 Vapour Density (Air = 1)..... No data.  
 Vapour Pressure (mm Hg)..... <1mm Hg (25°C).  
 pH..... N/A.  
 Relative Density / Specific Gravity..... 0.97.  
 Melting / Freezing Point..... N/A.  
 Oxidizing Properties..... Not oxidizing.  
 Explosive Properties..... Not explosive.  
 Solubility ..... INSOLUBLE.  
 Decomposition Temperature..... N/A.  
 Initial Boiling Point / Boiling Range..... >65°C / >149°F.  
 Evaporation Rate..... N/A.  
 Flash Point (deg C), Method..... >120°C (>248°F) Closed Cup.  
 Auto Ignition Temperature (deg C)..... Not available.  
 Upper Flammable Limit (% Vol) ..... NOT AVAILABLE.



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**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Lower Flammable Limit (% Vol )..... NOT AVAILABLE.  
 Coefficient of Water/Oil Distribution..... No data.  
 % Volatile By Weight..... N/A.  
 Viscosity..... 5 poise (25°C).

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity..... None Known.  
 Chemical stability..... This product is stable.  
 Possibility of hazardous reactions..... Will not occur.  
 Hazardous decomposition products..... Carbon dioxide, carbon monoxide, silicon dioxide, formaldehyde.  
 Incompatible materials..... Avoid strong acids, bases, and oxidizing agents.  
 Conditions to avoid..... Excessive heat and ignition sources.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
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This product does not contain any ingredients that are hazardous      Not applicable      Not applicable

Routes of Exposure:..... Caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure. May cause eye irritation. Repeated or prolonged skin contact may cause irritation. High airborne concentrations of vapours resulting from heating, misting or spraying may cause irritation of the respiratory tract and mucous membranes. Ingestion may cause irritation. Symptoms/effects, acute and delayed: irritation.

Effects Of Acute Exposure..... Irritation.  
 Acute toxicity information..... Not classified (based on available data, the classification criteria are not met). No toxicity studies have been conducted on this product. Oral LD50, Rat: >5000 mg/kg. Dermal LD50, Rabbit: >2000 mg/kg. Based on data from similar material(s).

Skin corrosion/irritation..... Not classified (based on available data, the classification criteria are not met).  
 Serious eye damage/irritation..... Not classified (based on available data, the classification criteria are not met). Serious eye damage/irritation.

Respiratory or skin sensitization..... Not classified (based on available data, the classification criteria are not met).  
 Carcinogenicity Of Material..... Not classified (based on available data, the classification criteria are not met) Carcinogenic status: not listed or regulated by IARC, NTP, OSHA, or ACGIH.

Germ cell mutagenicity..... Not classified (based on available data, the classification criteria are not met).  
 Reproductive toxicity..... Not classified (based on available data, the classification criteria are not met).  
 Specific target organ toxicity - single exposure..... Not classified (based on available data, the classification criteria are not met).  
 Specific target organ toxicity - repeated ... exposure..... Not classified (based on available data, the classification criteria are not met).  
 Aspiration hazard..... Not classified (based on available data, the classification criteria are not met).  
 Other toxicity information..... No additional information available.

**SECTION 12: ECOLOGICAL INFORMATION**

Exotoxicity..... No ecological testing has been conducted on this product. Freshwater fish toxicity: The acute LC50 is >1000 mg/L based on similar products.

Persistence and degradability ..... POLYDIMETHYLSILOXANE: This product has a high molecular weight and low vapour pressure, and is unlikely to become an atmospheric contaminant. Product has a very low water solubility (<100 ppb). As it has a specific gravity of <1, if discharged to water, it will initially form a surface film. It has a high binding affinity or particulate matter and will adsorb to particulates and sediment out. In soil, will degrade abiotically to form smaller molecules, which are broken down in the presence of sunlight.

Bioaccumulation Potential..... Not expected due to physiochemical properties of the material.  
 Mobility in soil..... No specific information available.  
 Other Adverse Effects..... No additional information available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Appropriate Disposal Methods..... This product is not known to be defined or designated as hazardous by current provisions of the Federal (EPA) Resource Conservation and Recovery ACT (RCRA, 40CFR261). Dispose of waste in accordance with federal, state and local regulations. See section 8 for recommendations on the use of personal protective equipment.



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## SECTION 14: TRANSPORT INFORMATION

UN Number.....	Not regulated.
UN Proper Name.....	Not regulated.
Transport Hazard Class.....	Not regulated.
Packaging Group.....	Not regulated.
Environmental Hazards.....	None known.
Guidance On Transport In Bulk.....	Not regulated.
Guidance on transport by air (IATA).....	Not regulated.
Any Special Precautions.....	Not applicable.

## SECTION 15: REGULATORY INFORMATION

GHS Classification.....	Not classified.
WHMIS 1988 Classification.....	Not controlled.
CEPA Status.....	The ingredients in this product appear on the DSL .
TSCA Inventory Status.....	All ingredients are listed on the TSCA inventory.
OSHA.....	This product is not considered hazardous .
SARA TITLE III	
Section 302 - Extremely Hazardous ..... Substances	None.
Section 311/312 - Hazard Categories.....	Not applicable.
SARA Section 313.....	None known.
EPA Hazardous Air Pollutants (HAPS) .... 40CFR63	None.
California Proposition 65.....	None known to be present or none in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.

## SECTION 16: OTHER INFORMATION

## HMIS (Hazardous Materials Identification System) Ratings

Health.....	1.
Flammability.....	1.
Reactivity (Stability).....	0.
Personal Protection.....	X.

## NFPA (National Fire Protection Association) Ratings

Health.....	1.
Flammability.....	1.
Instability.....	0.

Prepared By..... Tri-Art Manufacturing Inc. - www.tri-art.ca - email: support@tri-art.ca.

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