



MATERIAL SAFETY DATA SHEET

ROLF C. HAGEN INC., 20500 TRANSCANDA HWY,
BAIE D'URFÉ, QUEBEC, H9X 0A2
CANADA

ClearView Background adhesive
Marina
11705

Section I. Product and Company Identification	
Product name	Marina ClearView Background adhesive
CAS #	Mixture
Use	Aquarium Background Adhesive
Supplier	Rolf C. Hagen Inc., 20 500 Trans Canada Hwy, Baie d'Urfé, H9X 0A2
Emergency	Call your local poison control center

Section II. Hazards Identification			
WHMIS	Classification		
This material is not considered to be hazardous according to regulatory guidelines			
Potential Health effects: Low order of toxicity. Excessive exposure may result in eye, skin, or respiratory irritation. High-pressure injection under skin may cause serious damage.			
NFPA Hazard ID:	Health: 0	Flammability: 1	Reactivity: 0
HMIS Hazard ID:	Health: 0	Flammability: 1	Reactivity: 0
Note: This material should not be use for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risk which may vary from person to person.			

Section III. Composition and Information on Ingredients				
Ingredients	Conc. (%)	CAS #	EINECS #	
No reportable Hazardous Substance(s) or complex substance(s).				

Section IV. First Aid Measures	
Eye contact	Flush thoroughly with water. If irritation occurs, get medical assistance.
Skin contact	Wash contact areas with soap and water. If product is injected into or under the skin, or any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.
Inhalation	Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or

ClearView Background adhesive

Marina

11705

Page 2 of 5

	use mouth-to-mouth resuscitation.
Ingestion	First aid is normally not required. Seek medical attention if discomfort occurs.

Section V. Fire Fighting Measures

Suitable extinguishing media

Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Specific hazards arising from the chemical

Oxides of carbon, Sulfur oxides, Aldehydes, Incomplete combustion products, smoke, fume.

Special protective actions for fire-fighters

Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Section VI. Accidental Release Measures

Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

Section VII. Handling and Storage

Prevent small spills and leakage to avoid slip hazard. This material is a static accumulator.

Section VIII. Exposure Controls and Personal Protection

Exposure limits/standards for materials that can be formed when handling this product: When mists / aerosols can occur, the following are recommended: 5 mg/m³ – ACGIH TLV, 10 mg/m³ – ACGIH STEL, 5 mg/m³ – OSHA PEL (Note limits/standards shown for guidance only. Follow applicable regulations.

Protective clothing	Safety glasses with side shields. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.
---------------------	---

Engineering controls	No special requirements under ordinary conditions of use.
----------------------	---

Section IX. Physical and Chemical Properties

Appearance (physical state, color, etc)	White liquid
---	--------------

Odour	Mild odour
-------	------------

Odour threshold	Not available
-----------------	---------------

pH	Not available
----	---------------

Melting point / Freezing point	Not available
--------------------------------	---------------

Initial boiling point and boiling range	Not available
---	---------------

Flash point	> 240°C (464°F) [ASTM D-92]
-------------	-----------------------------

ClearView Background adhesive

Marina

11705

Page 3 of 5

Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper / Lower flammability	LEL: 0.9 UEL: 7.0
Vapour pressure	< 3.013 kPa (0.1mm Hg) at 20°C
Vapour density	> 2 at 101kPa
Relative density	0.863
Solubility	Negligible in water
Partition coefficient: n-octanol/water	> 3.5
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Pour Point	-18°C (0°F)
DNSO Extract	<3% wt
Viscosity	70.5cSt (70.5 mm ² /sec) at 40°C, 8.5cSt (8.5mm ² / sec) at 100°C.

Section X. Stability and Reactivity

Instability conditions	This product is stable under normal conditions.
Conditions to avoid	Excessive heat. High energy source of ignition.
Materials to avoid	Strong oxidizers.
Hazardous decomposition products	Material does not decompose at ambient temperatures.
Hazardous polymerization	Will not occur.

Section XI. Toxicological Information

Acute Toxicity

Route of exposure	Conclusion / Remarks
Eye -Irritation (Rabbit)	-May cause mild, short-lasting discomfort to eyes.
Skin -Toxicity (Rabbit): LD50 >2000 mg/kg. -Irritation (Rabbit)	-Minimally toxic. -Negligible irritation to skin at ambient temperatures.
Inhalation -Toxicity (Rat): LC >5000 mg/m ³ .	-Minimally toxic.
Ingestion -Toxicity (Rat): LD50 > 2000 mg/kg.	-Minimally toxic.

ClearView Background adhesive
Marina
11705

<p>Chronic / Other effects :</p> <p>Not carcinogenic in animal tests. Not carcinogenic in lifetime animal skin painting tests and oral feeding tests. Did not cause mutations In Vitro or In Vivo. Animals fed high concentrations did not display any reproductive effects and there were no developmental effects in the offspring of animal fed high concentrations of this oil. High oral doses in certain strains of rats resulted in microscopic inflammatory (microgranuloma) changes in the liver, spleen, and lymph nodes. These animals also had some accumulation of saturated mineral hydrocarbons in certain tissues. Similar effects were not observed to the accumulation of saturated mineral hydrocarbons in certain tissues. Similar effects were not observed to the same degree in other rodent strains or in other species. Non-sensitizing in animal tests and human subjects.</p> <p>The following ingredients are cited on the lists below: None</p> <table border="1" data-bbox="430 884 1190 995"> <tr> <th colspan="3">Regulatory List Searched</th> </tr> <tr> <td>1 = NTP CARC</td> <td>3 = IARC 1</td> <td>5 = IARC 2B</td> </tr> <tr> <td>2 = NTP SUS</td> <td>4 = IARC 2A</td> <td>6 = OSHA CARC</td> </tr> </table>	Regulatory List Searched			1 = NTP CARC	3 = IARC 1	5 = IARC 2B	2 = NTP SUS	4 = IARC 2A	6 = OSHA CARC
Regulatory List Searched									
1 = NTP CARC	3 = IARC 1	5 = IARC 2B							
2 = NTP SUS	4 = IARC 2A	6 = OSHA CARC							

Section XII. Ecological Information	
Ecotoxicity	Not expected to be harmful to aquatic organisms.
Mobility	Low solubility and floats and is expected to migrate from water to the land.
Persistence and Degradability	Expected to be inherently biodegradable.
Bioaccumulation potential	Has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

Section XIII. Disposal Considerations	
Disposal recommendations	Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.
Regulatory disposal information	RCRA information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste, nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

Section XIV. Transport Information	
LAND (DOT): Not regulated for land transport	LAND (TDG): Not regulated for land transport.
SEA (IMDG): Not regulated for sea transport according to IMDG-Code.	
AIR (IATA): Not regulated for Air transport.	



MATERIAL SAFETY DATA SHEET

ROLF C. HAGEN INC., 20500 TRANSCANDA HWY,
BAIE D'URFÉ, QUEBEC, H9X 0A2
CANADA

ClearView Background adhesive

Marina

11705

Page 5 of 5

Section XV. Regulatory Information

OSHA Hazard Communication standard: When use for its intended purposes, this material in not classified as hazardous in accordance with OSHA 29 CFR 1910. 1200.

National Chemical Inventory Listing: AICS, DSL, EINECS, KECI, PICCS, TSCA.

EPCRA: This material contains no extremely hazardous substances.

CERCLA: This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Contact local authorities to determine if other reporting requirements apply.

FDA: 21CFR 172.878

SARA (311/312) reportable Hazard Categories: None.

SARA (313) Toxic Release Inventory: This material contains no chemicals subject to the supplier notification requirement of the SARA 313 Toxic Release Program.

The following ingredients are cited on the lists below: None

Regulatory List Searched			
1 = ACGIH ALL	6 = TSCA 5a2	11 = CA P65 REPRO	16 = MN RTK
2 = ACGIH A1	7 = TSCA 5e	12 = CA RTK	17 = NJ RTK
3 = ACGIH A2	8 = TSCA 6	13 = IL RTK	18 = PA RTK
4 = OSHA Z	9 = TSCA 12b	14 = LA RTK	19 = RI RTK
5 = TSCA 4	10 = CA P65 CARC	15 = MI 293	

Code key: CARC=Carcinogen; REPRO=Reproductive

Section XVI. Other Information

While the company believes the data set forth herein are accurate as the date hereof, the company makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration and verification.

Prepared by Rolf C. Hagen Inc.
(514) 457-0914

Validated: January 31, 2014