

ACU-flow™

Hydrophilic Impression Material

MSDS - Material Safety Data Sheet

SECTION 1 – PRODUCT IDENTIFICATION & INFORMATION

MATERIAL NAME: ACU-flow™ Hydrophilic Impression Material
 COMPANY: Rainbow Specialty & Health Products Inc.
 3400 – 14th Ave. Unit 22
 Markham, Ontario, Canada L3R 0H7
 TELEPHONE: For emergencies or Product Information
 Call: 1-800-268-3384 or 905-947-0124
 Email: info@rainbowspecialty.com
FOR PROFESSIONAL DENTAL USE ONLY

SECTION 2 – COMPOSITION/INFORMATION OF INGREDIENTS

CHEMICAL CHARACTERIZATION:
 Description: Mixture of polydimethyl polymethyl vinyl siloxane, polydimethyl polymethyl hydrogen siloxane and silica
 Hazardous components: none

SECTION 3: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) 1272/2008: Void
 Information concerning particular hazards for human and environment:
 The product does not have to be labeled due to the calculation procedure of the "General classification guideline for preparations of the EU" in its latest valid version.

LABEL ELEMENTS:

Labeling according to Regulation (EC) 1272/2008: Void
 Labeling according to EU guidelines: Medical devices as defined in Directive 93/42/EEC and which are invasive or used in direct physical contact with the human body; are exempted from the provisions of Regulation (EC) No. 1272/2008 (CLP/GHS) usually if they are in the finished state and intended for the final user.

OTHER HAZARDS

RESULTS OF PBT AND VPVB ASSESSMENT

PBT: Not applicable
 vPvB: Not applicable

SECTION 4: HANDLING AND STORAGE

HANDLING:
 Information for safe handling: For dental use only. No special measures required
 Recommendation for fire and explosion protection: No special measures required

STORAGE:
 Requirements at storerooms and containers: No special measures required
 Requirements for storage with other products: Not required
 Further information on storage conditions: None

SECTION 5: EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with limits of values to be supervised at the workplace:
 The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace
 Additional Information: The lists valid during the making were used as basis.
PERSONAL PROTECTIVE EQUIPMENT:

General measures of protection and hygiene: Normal hygienic measures
 Respiratory protection: Not required
 Protection of hands: Not required
 Eye protection: Not required

SECTION 6: FIRST AID MEASURES

General Information: No special measures required
 After skin contact: Wash with plenty of water and soap
 After eye contact: Rinse with plenty of water and consult a doctor
 After swallowing: If symptoms persist consult a doctor

SECTION 7: FIRE FIGHTING MEASURES

Extinguishing media: CO₂, water
 Protective equipment: No special measures required

SECTION 8: ACCIDENTAL RELEASE MEASURES

Personal precautions: Not required
 Environmental precautions: No special measures required
 Methods for cleaning up: Pick up mechanically
 Additional Information: None

SECTION 9: STABILITY AND REACTIVITY

Conditions to avoid: No decomposition if used according to specification
 Hazardous decomposition products: None under normal conditions of storage and use

SECTION 10: PHYSICAL AND CHEMICAL PROPERTIES

Form: Paste
 Colour: Different
 Odor: Odorless

INFORMATION ON CHANGE IN THE PHYSICAL STATE

	Value	Unit	Method
Melting Point/melting range:	n.a.	°C	-
Boiling Point/boiling range:	n.a.	°C	-
Flash Point:	n.a.	°C	-
Auto Ignition Temperature:	n.a.	-	-
Explosion Danger:	none	-	-

DENSITY

Heavy Body	1.50	(20°C)	g/cm ³
Light Body Plus	1.24	(20°C)	g/cm ³
Rigid Tray	1.49	(20°C)	g/cm ³
Bite Reg:	1.52	(20°C)	g/cm ³
Medium Body	1.41	(20°C)	g/cm ³
Putty	1.53	(20°C)	g/cm ³
Best Bite	1.52	(20°C)	g/cm ³
Vapour pressure:	n.a.	-	mbar
Viscosity:	paste	-	-
ph	neutral	-	-
Solubility in/miscibility with:	Partially soluble in toluene, petrol, ether	-	-
Water:	insoluble	-	-
Content of solvents:	none	-	-
Organic solvents	-	-
Water	-	-
Content of solids	n.a.	-	-

SECTION 11: DISPOSAL CONSIDERATIONS

PRODUCT:
 Recommendation: Small quantities can be disposed of with household waste.
 Use proper landfill disposal or incineration in accordance with local, state and federal regulations.
UNCLEANED PACKAGING:
 Recommendation: Disposal must be made according to official regulations.

SECTION 12: TRANSPORT INFORMATION

Land transport ADR, RID: Not subject to transport regulations
 Maritime transport: IMDG-Code: Not subject to transport regulations
 Air transport ICAO-TI/IATA-DGR: Not subject to transport regulations

SECTION 13: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:
PRIMARY IRRITATION:
 Skin: No irritating effect
 Eye: No irritating effect
 Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

SECTION 14: ECOLOGICAL INFORMATION

General Information: Avoid transfer into environment
 Classification of water endangerment: WGK 1 (German regulation) slightly hazardous for water

SECTION 15: REGULATORY INFORMATION

Classification: according to EC-guidelines: The product is a medical device according to EC-directive 93/42 EEC.
 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

Changes compared with the previous version: Adaptation according to 1907/2006/EG, Article 31
 Prepared by: Harvey Bean
 The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data do not signify any warranty with regards to products properties. However users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.
 N/D: NOT DETERMINED
 N/A: NOT APPLICABLE

REV: 05/31/2016