

- Nexcomp Flow -

METABIOMED CO., LTD.

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Nexcomp Flow

Product code : D1NXFA1,D1NXFA2,D1NXFA3,D1NXFA35,D1NXFA4,D1NXFB1,D1NXFB2,

D1NXFB3,D1NXFC2,D1NXFD2,D1NXFOA2,D1NXFOA3,D1NXFTL,D1NXFWT

1.2. Relevant identified uses of the substance or mixture and uses advised against

Resin filling composite

1.3. Details of the supplier of the safety data sheet

Registered company name : METABIOMED CO., LTD.

Address : Head Office & Osong Factory) 270, Osongsaengmyeong1-ro, Osong-eup, Heungdeok-gu,

Cheongju-si, Chungcheongbuk-do, Korea

Cheongju Factory) 136, Mochung-ro, Seowon-gu, Cheongju-si, Chungcheongbuk-do, Korea

Fax: (82-43) 216-0438

Telephone : (82-43) 216-0433, 0434

e-mail : info@meta-biomed.com

Manufacturer : METABIOMED CO., LTD.

1.4. Emergency telephone number

(82-43) 216-0433, 0434

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye irritation (Category 2), H319

Skin Sensitizer (Category 1), H317

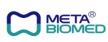
2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

* GHS label elements including precautionary statements

- Hazard Pictograms





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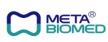
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- Signal word	: Warning			
- Hazard statement(s)	: H319 Causes serious eye irritation.			
	H317 may cause an allergic skin reaction			
- Precautionary Statement(s)	:			
Prevention :	P264 Wash thoroughly after handling			
	P272 Contaminated work clothing must not be allowed out of the			
	workplace.			
	P280 Wear protective gloves/protective clothing/eye protection/ face protection			
- Response :	P305 IF IN EYES: Rinse cautiously with water for several minutes. Rem			
	contact lenses if present and easy to do. Continue rinsing.			
	P337 If eye irritation persists: Get medical advice/attention.			
	P302 IF ON SKIN: Wash with plenty of soap and water			
	P332 If skin irritation occurs: Get medical advice/attention			
	P363 Wash contaminated clothing before reuse.			
- Disposal :	P501 Dispose of contents/container according to the related			
	regulations			
2.3. Other hazards				
This substance/mixture	a containa na componente considered to be alther revelatore			

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. Composition/information on ingredients

3.1. Substances					
Not Applicable					
3.2. Mixtures					
				Classification	Classification
Chemical Name	CAS	EC	10/4 0/	according to	according to
Chemical Name	No.	No.	Wt.%	Directive	Regulation(EC) No
				67/548/EEC	1272/2008[CLP]
					Serious eye
Bisphenol A Glycerolate dimethacrylate	1565- 94-2	- 1-1	1-10	Vi Irritant D 42	damage
				Xi Irritant R43 Xi Irritant R41	(Category 1),H318
					Skin sensitization
					(Category 1),H317



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Urethane Dimethacrylate	72869-	276-	1-5		Skin sensitization
	86-4	957-5		-	(Category 1),H317
					Skin irritation
					(Category 2), H315
				Irritating to eyes,	Eye irritation
				respiratory	(Category 2), H319
Ethoxylate bisphenol A	41637-		<30	system and skin.	Skin sensitization
dimethacrylate	38-1	-	<30	May cause	(Category 1),H317
				sensitization by	Specific target
				skin contact.	organ toxicity -
					single exposure
					(Category 3), H335
					Skin irritation
			1-5		(Category 2), H315
					Eye irritation
Triathylana glygal dimathaan data	109-16-	203-		Xi Irritant	(Category 2), H319
Triethyleneglycol dimethacrylate	0	652-6		R36/37/38, R43	Specific target
					organ toxicity -
					single exposure
					(Category 3), H338
	3290-	221-			Chronic aquatic
Trimetholtrimethacrylate	92-4	950-4	<1	-	toxicity
	92-4	950-4			(Category 2), H41 ⁻
					Skin irritation
				Irritating to eyes, respiratory system and skin.	(Category 2), H31
					Eye irritation
Chucaral diamthachulata	1830-	217- 388-4	<1		(Category 2), H319
Glycerol diemthacrylate	78-0				Specific target
					organ toxicity -
					single exposure
					(Category 3), H335
Barium aluminium boro silicate	-	-	<60	-	-



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4. First aids measures

4.1. Description	of first aid measures
- Inhalation	: Remove person to fresh air. If you feel unwell, get medical attention
- Skin Contact	: Immediately wash with soap and water. Remove contaminated clothing and wash
	before reuse. If signs/symptoms develop, get medical attention.
- Eye Contact	: Flush with large amounts of water. Remove contact lenses if easy to do. Continue
	rinsing. If signs/symptoms persist, get medical attention.
- If Swallowed	: Rinse mouth. If you feel unwell, get medical attention.
4.2. Most import	ant symptoms and effects, both acute and delayed
- Inhalation	: This product may have a characteristic odor; however, no adverse health effects are anticipated.
- Skin Contact	: Contact with the skin during product use is not expected to result in significant irritation. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
- Eye Contact	: Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
- Ingestion	: May be harmful if swallowed.
	Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach
	upset, nausea, vomiting and diarrhea.
4.3. Indication of	any immediate medical attention and special treatment needed
No further relays	ant information available

No further relevant information available

5. Fire fighting measures

5.1. Extinguishing media	
- Extinguishing media	: Water, Foam, Carbon Dioxide, Dry Chemical
5.2. Special hazards arising from	the substance or mixture
- Hazardous combustion products	: Burning may produce :Carbon Monoxide, Carbon Dioxide
- Explosion hazards	: Not Determined
- Fire explosion	: Not Determined
- Sensitive to static discharge	: Not Determined
- Sensitivity to impact	: Not Determined
5.3. Advice for firefighters	
- Firefighting procedures	: General: Evacuate all personnel; use protective equipment for fire-
	fighting. Use self-contained breathing apparatus when product is



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- Firefighting equipment

involved in fire. : Non-combustible

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Prevent the inflow of this product to waterways, drains, basements, and confined spaces.

6.3. Methods and material for containment and cleaning up

Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible.

6.4. Reference to other sections

Not Applicable

7. Handling and storage

7.1. Precautions for safe handling

Always wear gloves and eye protection. Product is intended for dental use only.

7.2. Conditions for safe storage, including any incompatibilities

Keep out of reach of children. Protect from exposure to direct sun light. Keep container closed. Store in cool place.

7.3. Specific end use(s)

Use only professional dentist

8. Exposure controls and personal protection

8.1. Control parameters

Not determined

8.2. Exposure controls

- Eye protection : Wear safety glasses.
- Skin protection : Wear suitable protective clothing and gloves.
- Respiratory protection : None required



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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties				
- Appearance	: Paste	- Vapor pressure	: N/A	
- Odor	: Slightly acrylic	- Vapor density	: N/A	
	odor:	- Density	: 1.5 g/cm³	
- Color	: Tooth color	- Specific gravity(H ₂ O=1)	: 1.5	
- pH	: N/A	- Solubility(ies)	: Insoluble	
- Melting/freezing point	: N/A	- Partition coefficient :	: N/A	
- Initial boiling point and	: N/A	n-octaol/water		
boiling range		- Auto-ignition temperature	: N/A	
- Flash point	: N/A	- Decomposition temperature		
- Evaporation rate	: N/A	- Viscosity	: N/A	
- Flammability(solid, gas)	: N/A	- Explosive properties	: N/A	
- Upper/lower flammability or	: N/A	- Oxidising properties	: N/A	
explosive limits				
9.2. Other information				
None				

10. Stability and reactivity

, ,
10.1. Reactivity
Stable
10.2. Chemical stability
Stable when stored and handled under recommended conditions.
10.3. Possibility of hazardous reactions
None
10.4. Conditions to avoid
None known.
10.5 Incompatible materials
None known.
10.6. Hazardous decomposition products
со

11. Toxicological information

11.1. Information on toxicological effects

- Acute toxicity : N/A

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- Primary effects to skin	: May mildly irritate skin	
- Primary effects to eyes	: May mildly irritate the eye	
- Primary effects to	: Not an acute inhalation hazard	
respiratory system		
- Sensitization	: Repeated or prolonged contact with	the not polymerized may cause
	sensitization for methacrylates.	
- Additional toxicological info	: N/A	

12. Ecological information

12.1. Toxicity
- Toxicity : Not determined
- Aquatic toxicity(acute) : Not determined
12.2. Persistence and degradability
Not determined
12.3. Bioaccumulative potential
Not determined
12.4. Mobility in soil
Not determined
12.5. Results of PBT and vPvB assessment
Not determined
12.6. Other adverse effects
None known

13. Disposal considerations

13.1. Waste treatment methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations. Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste.



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14. Transport information

14.1. UN Number
N/A
14.2. UN proper shipping name
N/A
14.3. Transport hazard class(es)
N/A
14.4. Packing Group
N/A
14.5. Environmental hazards
N/A
14.6. Special precautions for user
- ADR - road : N/A
- RID - rail : N/A
- IMDG - sea : N/A
- IATA - air : N/A
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Transport in bulk : N/A

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture RoHS : Please refer to Medical Devices Directive 93/42/EEC

15.2. Chemical safety assessment

Chemical safety assessment : See Section 11

16. Other information

The information contained in the Safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

META® BIOMED	Material Safety Data Sheet	
BIOMED	- Nexcomp Flow -	METABIOMED CO., LTD.
HISTORY		
- Date of creation	: 19-10-2015	
- Revision number and	Revision date	
* Revision number	: 1	
* Date of last revision	: 07-11-2016	
- Prepared by	: METABIOMED CO., LTD.	