SAFETY DATA SHEETS

This SDS packet was issued with item: 075219662

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

075219647 075219654 075219670

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

075219456 075219464 075219472 075219480 075219498 075219621



Material Safety Data Sheet acc. to ISO/DIS 11014

	Reviewed on 04/01/2012
Printing date 05/07/2012	
1 Identification of the substance/mixtu	re and of the company/undertaking
· Product identifier	
· Trade name: PANAVIA F 2.0 ; PASTE B (7	ГС, White, Light, Opaque)
• Article number: US089-PB	en Desin haard dantel adhesius assured
• Application of the substance / the preparati	
 Details of the supplier of the safety data she Manufacturer: 	et
Kuraray Noritake Dental Inc.	
1621 Sakazu, Kurashiki, Okayama 710-0801,	
Japan • Contact information:	
Kuraray America, Inc.	
33 Maiden Lane, 6th Floor, New York,	
NY 10038 U.S.A. Tel: 800-879-1676	
Fax: 888-700-5200	
Website: www.kuraraydental.com	
 Chemical characterization: Single Compone Description: Mixture of substances listed belo Dangerous components: 7681-49-4 sodium fluoride Other ingredients: Hydrophobic aromatic dimethacrylate Hydrophobic aliphatic methacrylate Hydrophilic aliphatic dimethacrylate Silanated barium glass filler Catalysts Accelerators 	
Pigments Others	

🗙 Harmful

Harmful if swallowed.

Contact with acids liberates toxic gas.

· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of international guidelines. • Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· Label elements

· GHS label elements

The product is classified and labelled according to the Globally Harmonized System (GHS).

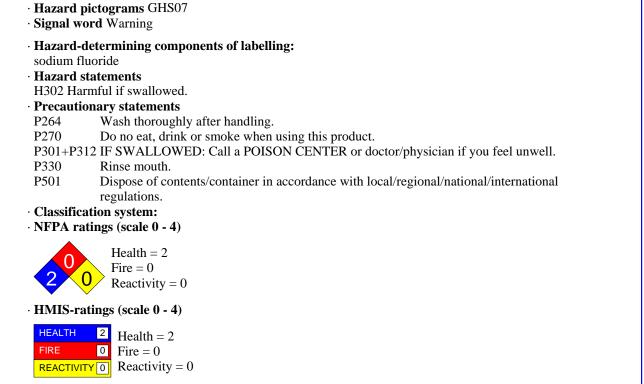
(Contd. on page 2)



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Trade name: PANAVIA F 2.0 ; PASTE B (TC, White, Light, Opaque)

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4 First aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- · After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: Immediately call a doctor.

5 Firefighting measures

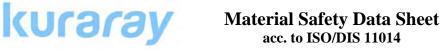
- Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture No further relevant information available.
- Protective equipment:
- Mouth respiratory protective device.
- Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Mount respiratory protective device.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- \cdot Methods and material for containment and cleaning up:
- Dispose contaminated material as waste according to item 13.
- · Reference to other sections
- See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and storage

· Handling:

- · Precautions for safe handling Prevent formation of dust.
- · Information about protection against explosions and fires: No special measures required.
- · Storage:
- Requirements to be met by storerooms and receptacles: Store in a refrigerator (2-8°C).
- · Information about storage in one common storage facility:
- Do not store together with acids.
- Store away from oxidizing agents.
- Store away from reducing agents.
- · Further information about storage conditions: Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.
- · Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

· Components with limit values that require monitoring at the workplace:

components with mine values that require monitoring at the workplace.		
7681·	49-4 sodium fluoride	
PEL	2.5 mg/m ³	
	as F	
REL	2.5 mg/m ³	
	as F	
TLV	2.5 mg/m ³	
	as F , BEI	
· Addi	tional information: The lists that were valid during the creation were used as basis.	

· Personal protective equipment:

- · General protective and hygienic measures: Wash hands before breaks and at the end of work.
- · Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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Trade name: PANAVIA F 2.0 ; PASTE B (TC, White, Light, Opaque)

· Eye protection: Not required.

Physical and chemical propert	ies
General Information	
· Appearance:	
Form:	Pasty
Color:	Colored
· Odor:	Odorless
· pH-value:	Not applicable
Change in condition	
Melting point/Melting range:	1012 °C (sodium fluoride)
Boiling point/Boiling range:	1704 °C (sodium fluoride)
· Flash point:	Not applicable.
· Ignition temperature:	Not applicable
Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapor pressure:	Not applicable
Density:	2.0 g/cm ³ (16.69 lbs/gal)
· Vapour density	Not applicable
· Solubility in / Miscibility with	
Water:	Insoluble.
· Segregation coefficient (n-octonol/wa	ater): Not applicable
· Other information	No further relevant information available.

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

· Incompatible materials: No further relevant information available.

· Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological information

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

7681-49-4 sodium fluoride

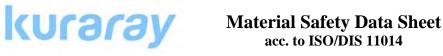
Oral LD50 44 mg/kg (mouse)

52 mg/kg (rat)

· Primary irritant effect:

- · on the skin: No irritant effect.
- on the eye: No irritating effect.
- · Sensitization: No sensitizing effects known.

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Reviewed on 04/01/2012

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Trade name: PANAVIA F 2.0; PASTE B (TC, White, Light, Opaque)

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

acc. to ISO/DIS 11014

Harmful

12 Ecological information

- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Additional ecological information:
- · General notes:
- Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

• Recommendation: Disposal must be made according to official regulations.

4 Transport information		
· UN-Number · DOT, ADR, ADN, IMDG, IATA	Void	
· UN proper shipping name · DOT, ADR, ADN, IMDG, IATA	Void	
· Transport hazard class(es)		
· DOT, ADR, ADN, IMDG, IATA · Class	Void	
· Packing group · DOT, ADR, IMDG, IATA	Void	
· Environmental hazards: · Marine pollutant:	No	
· Special precautions for user	Not applicable.	
• Transport in bulk according to Annex MARPOL73/78 and the IBC Code	II of Not applicable.	
· UN "Model Regulation":	-	

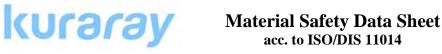
15 Regulatory information

· Sara

· Section 355 (extremely hazardous substances): None of the ingredient is listed.

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Section 313 (Specific toxic chemical listings):	
None of the ingredients is listed.	
TSCA (Toxic Substances Control Act):	
All ingredients are listed.	
Proposition 65	
Chemicals known to cause cancer:	
None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
Chemicals known to cause developmental toxicity:	
None of the ingredients is listed.	
Cancerogenity categories	
EPA (Environmental Protection Agency)	
None of the ingredients is listed.	
IARC (International Agency for Research on Cancer)	
None of the ingredients is listed.	
TLV (Threshold Limit Value established by ACGIH)	
None of the ingredients is listed.	
NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	
OSHA-Ca (Occupational Safety & Health Administation)	
None of the ingredients is listed.	

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Version: 5
- · Relevant phrases

Not applicable

- H301 Toxic if swallowed.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.