

Novus Hi-Temp consists of Phlogopite mica paper impregnated with a high quality silicone binder. Mica is a aluminosilicate of mineral origin, which has a lamellar and non-fibrous structure representing an excellent alternative to asbestos at high temperatures. This material gives Novus Hi-Temp its thermal characteristics - weight loss at 800°C(1472°F) less than 5% - and its chemical resistance to solvents, acids, bases and mineral oils.

CONTACTS



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SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION AND COMPANY

- 1.1. **Product name:** Novus™ Hi-Temp.
- 1.2. **Product use/ Application:** Filled P.T.F.E. gasket material intended for use as a flange sealing material.
- 1.3. **Company identification:**
- Distributors and retailers:** Novus sealing Pty. Ltd.
ADDRESS: 13-15 - Vinnicombe Drive, Canning Vale, WA, 6155
Phone: +61 8 9455 2155 (8.30am to 5.00pm Monday to Friday).
Fax: +61 8 9455 2165.
- Emergency email:** mailbox.novussealing.com.au
- Emergency service contacts:** Emergency service: 000.
112 is available from all GSM or GSM derived mobile phones.
106 is text-based service.

2. HAZARD IDENTIFICATION

- 2.1. **Statement of hazardous nature:** Based on available information, this material is not classified as hazardous according to criteria of NOHSC Australia. Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.
- 2.2. **Poisons schedule (Aust):** Not applicable.

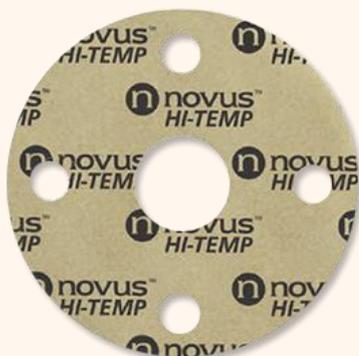
2.3. Regulatory information:

NICNAS/AICS	Statement
P.T.F.E	This chemical is listed on the 2002 Australian HVICL, NICNAS, and AICS.
Glass microspheres	This chemical is listed on the 2002 Australian HVICL, NICNAS, and AICS.
Pigment (Ultramarine)	This chemical is listed on the 2002 Australian HVICL, NICNAS, and AICS.

2.3.1. Classification of items within the mixture:

Regulation (EC) No 1272/2008 (CLP)	Hazard Statement
P.T.F.E	Non-hazardous within this product.
Glass microspheres	Non-hazardous within this product.
Pigment (Ultramarine)	Non-hazardous within this product.

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2. HAZARD IDENTIFICATION - continued

2.4.	RISK phrases:	Nil.
2.5.	SAFETY phrases:	
	S22	Do not breathe dust. [During cutting, grinding or drilling do not breathe dust].
	S15	Keep away from heat.
	S38	Use suitable respirator if dust exposure limits are exceeded during cutting, grinding or drilling.
	S41	In case of fire and or explosion, don not breathe fumes.
2.5.1.	Safe handling:	
	S37	Wear suitable gloves.
	S23	Avoid contact with eyes.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection. <i>*[When removing a gasket from a pipe flange or elsewhere, it is recommended to use your PPE].</i> <i>[Any gasket, which is exposed to other hazardous substances onsite, you must wear PPE if handling it].</i>
	R36/37/38	Irritating to eyes, respiratory system and skin. <i>* [When you receive any customer sample gasket(s) to be manufactured, you must always wear gloves, safety glasses, and respiratory system, if handling them. These gaskets may have been exposed to hazardous substances or environment].</i>
2.6.	Other hazard information:	Do not inhale high temperature thermal decomposition products. Do not smoke in the presence of P.T.F.E. Contamination of tobacco products must be avoided.
2.7.	Label elements:	Not applicable to this products.

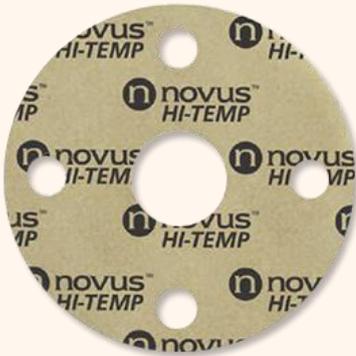
3. COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1. Materials used to produce this sheet material are listed in section 2.1 of this document.
- 3.2. **Mixtures:** Not applicable to this material.

4. FIRST AID MEASURES

4.1.	Description of first aid measures:	
	General information:	The materials used to produce this product present a low-level potential risk from dust inhalation. Local Exhaust Ventilation (LEV) can be used or respiratory protection if required.
4.2.	Inhalation:	From the product as supplied no significant health hazard in normal usage.
4.3.	Skin contact:	If skin, get irritated or itchy due dust, rinse immediately with plenty of water and seek medical help if there is no improvement.
4.4.	Eye contact:	In case of contact with eyes, rinse immediately with plenty of water.
4.5.	Ingestion:	Unlikely to occur in use.
4.6.	symptoms:	N/A.
4.7.	Indications of immediate medical attention being required:	None.

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5. FIRE FIGHTING MEASURES

- | | |
|--|---|
| 5.1. General: | Some of the components will burn with difficulty in a sustained fire situation but will tend to self-extinguish when the source of ignition is removed. However combustion or thermal decomposition will evolve toxic and corrosive vapours. |
| 5.2. Extinguishing media: | Water or foam.
<i>Dry chemical powder and carbon dioxide may also be used. In view of the comments in 'general', the source of the fire should be dealt with in accordance with requirements and the material will then self-extinguish.</i> |
| 5.3. Special hazards arising from the material: | Thermal decomposition will occur at high temperatures. |
| 5.4. Advise to fire fighters: | Self-contained breathing apparatus and protective suit. Wear Neoprene™ gloves when handling refuse from any fire. |

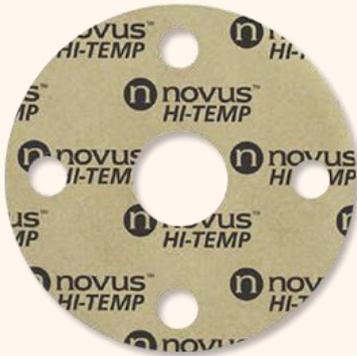
6. ACCIDENTAL RELEASE MEASURES

- | | |
|--|---|
| 6.1. Personal precautions: | Spillage could create a slip hazard under foot-During the machine, cutting it will create spillage, which can cause a slip hazard under foot. When removing a gasket from a pipe flange or elsewhere, It is recommended to use your PPE. * <i>[Any gasket, which is exposed to other hazardous substance onsite, you must wear PPE if handling it].</i> |
| 6.2. Environmental precautions: | None. |
| 6.3. Cleaning up: | Remove any dust generated by vacuum or damp cloth. Clean up all debris / scrap material by using vacuum or use broom and dustpan to clean the area. Wear a glove to remove bigger debris /scrap material piece. |

7. HANDLING AND STORAGE

- | | |
|--|--|
| 7.1. Handling: | Gloves should be worn when handling these materials. |
| 7.2. Conditions for safe storage: | Cool dry conditions. |
| 7.3. Specific end uses: | Refer to appropriate technical data sheet. |

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8. EXPOSURE CONTROL / PERSONAL PROTECTION

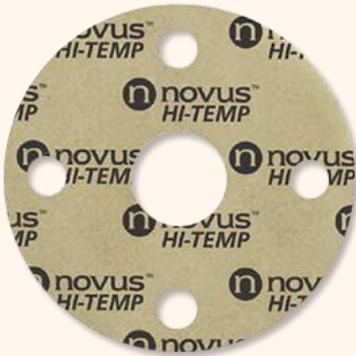
8.1.	Control Parameters:	N/A
8.2.	Personal protective equipment:	
8.2.1.	Respiratory protection:	Use suitable respirator if dust exposure limits are exceeded during cutting, grinding or drilling.
8.2.2.	Hand protection:	Wear suitable gloves when handling material. <i>* [When removing a gasket from a pipe flange or elsewhere it is recommended to use your PPE]. [Any gasket, which is exposed to other hazardous substance onsite, you must wear PPE if handling it].</i>
8.2.3.	Eye protection:	Use approved eye protection and wear overalls when machining. <i>* [When you receive any customer sample gasket(s) to be manufactured, you must always wear gloves, safety glasses, respiratory system, if handling them. These gaskets may have been exposed to hazardous substances or environment].</i>
8.3.	Personal protection:	
8.4.	Exposure controls:	Respiratory protection is recommended if grinding of this material is carried out.
8.5.	Environmental exposure controls:	N/A.
8.6.	Engineering measures:	Recommend local exhaust ventilation when cutting, grinding machining or drilling operations involved.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties.

Physical state:	Solid.
Colour and appearance:	Pink coloured sheet or gasket.
Odour threshold:	N/A.
pH:	N/A.
Freezing point:	N/A.
Melting point:	327 – 342°C.
Initial boiling point and boiling range:	N/A.
Flash point:	N/A.
Evaporation rate:	N/A.
Flammability:	N/A.
Upper/lower flammability or explosion limits:	N/A.
Vapour pressure:	N/A.
Relative density:	1.4 g/cc.
Evaporation rate:	N/A.
Solubility in water:	Insoluble in water.
Auto ignition temperature:	N/A.
Decomposition temperature:	>300°C.
Viscosity:	N/A.
Explosive properties:	N/A.
Boiling point:	N/A.
Specific gravity:	N/A.
Coeff. Water/oil Dist.:	N/A.

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10. STABILITY AND REACTIVITY

10.1.	Reactivity:	N/A.
10.2.	Chemical stability:	N/A.
10.3.	Possibility of hazardous reaction:	N/A.
10.4.	Conditions to avoid:	Temperatures above 300°C.
10.5.	Incompatible materials:	Alkali metals.
10.6.	Hazardous decomposition products:	Hydrogen fluoride, carbonyl fluoride and fluorinated olefins.

11. TOXICOLOGICAL INFORMATION

11.1.	Acute toxicity:	N/A.
11.2.	Skin corrosion/ irritation:	N/A.
11.3.	Serious eye damage/ irritation:	N/A.
11.4.	Germ or mutagenicity:	N/A.
11.5.	Reproductive toxicity:	N/A.
11.6.	STOT:	N/A.
11.7.	Aspiration hazard:	High temperature thermal decomposition may cause polymer fume fever with flu like symptoms. Symptoms usually occur after 2 hours and decline within 36 to 48 hours. No persistent cumulative effects have been observed.
11.8.	Respiration or skin sanitations :	N/A.

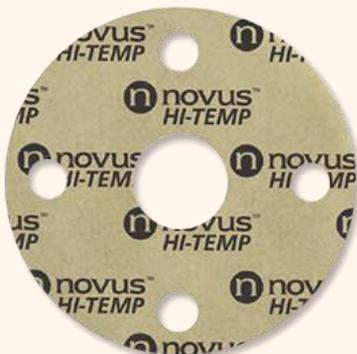
12. ECOLOGICAL INFORMATION

12.1.	Toxicity:	N/A.
12.2.	Persistence and degradability:	N/A.
12.3.	Bio accumulative potential:	N/A.
12.4.	Mobility in soil:	N/A.
12.5.	Results of PBT and vPvB assessment:	N/A.
12.6.	Other adverse effects:	N/A.

13. DISPOSAL CONSIDERATIONS

- 13.1. All waste should be disposed of in accordance with the requirements of Federal, State, Provincial and Local government. Consideration, should also be given to the potential for recycling or, if possible, by other environmentally friendly routes.

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14. TRANSPORT INFORMATION

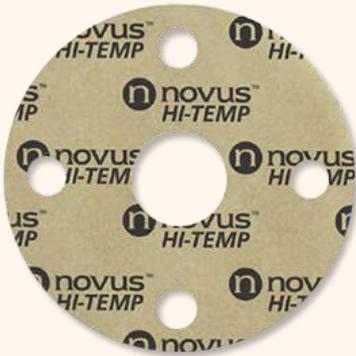
14.1. Packaging:	Pack to prevent damage and liberation of any dust.
14.2. Freight classification:	Not classified as dangerous goods.
14.3. ADR number:	N/A.
14.4. IMDG code:	N/A.
14.5. Packing group:	N/A.
14.6. Trem card:	N/A.
14.7. UN number:	N/A.
14.8. No special requirements.	

15. REGULATORY INFORMATION

15.1. Regulatory information:	Refer to section 2 and 15.2.
15.2. Safety information:	
15.2.1. Safety phase:	
S22	Do not breathe dust. <i>* [During cutting, grinding, drilling or sanding, do not breathe dust].</i> <i>[Use suitable respirator, if dust exposure limits are exceeded during cutting, grinding or drilling and sanding].</i>
S15	Keep away from heat.
S41	In case of fire and or explosion, don not breathe fumes.
15.2.2. Safe handling:	
S37	Wear suitable gloves.
S23	Avoid contact with eyes.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection. <i>* [When removing a gasket from a pipe flange or elsewhere, it is recommended to you to use your PPE, if handling it].</i> <i>[Any gasket, which is exposed to other substance onsite, you must wear PPE when handling it].</i>

NICNAS/AICS	Statement
P.T.F.E	This chemical is listed on the 2002 Australian HVICL, NICNAS, and AICS.
Glass microspheres	This chemical is listed on the 2002 Australian HVICL, NICNAS, and AICS.
Pigment (Ultramarine)	This chemical is listed on the 2002 Australian HVICL, NICNAS, and AICS.

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16. ANY OTHER RELEVANT INFORMATION

16.1. List of abbreviations:

ADR	Accord Dangereux Routier.
HVACL	The Australian High Volume Industrial Chemical List.
IMDGC	International Maritime Dangerous Goods Code.
NNOHSC	NNOHSC-National Occupational Health and Safety Commission.
PBT	Persistent, Bioaccumulative and Toxic.
STOT	Specific Target Organ Toxicity.
vPvB	very Persistent very Bio Accumulative.

16.2. SDS report status:

This document has been compiled by Novus Sealing Pty Ltd on behalf of the manufacturer of the product and serves as the manufacturer's Safety Data Sheet ('SDS'). It is based on information concerning the product, which has been provided to Novus Sealing Pty Ltd by the manufacturer and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While Novus Sealing Pty Ltd has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Novus Sealing Pty Ltd accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

All information and recommendations contained in this publication are based on the present level of knowledge and experience. Since the conditions of use are beyond our control, users must satisfy themselves that products are suitable for the intended processes and applications. No warranty is given or implied in respect of information and recommendations or that any use of the products will not infringe rights belonging to other parties. Our most current General Sales Conditions shall apply.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. This SDS has been transcribed into Info safe NOHSC format from an original issued by the manufacturer on the date shown.

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued.

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Prepared by:	Lubna Ibrahim. QOSHE Manager.
Approved by:	Danny Flynn. General Manager. Signature: 
Status:	Approved and issued.
Issue authority:	Novus Sealing Pty Ltd General Manger and QOSHE department.
Document Infor no.:	SDSNVHIT-2115-REV01.

END OF SAFE DATA SHEET.