



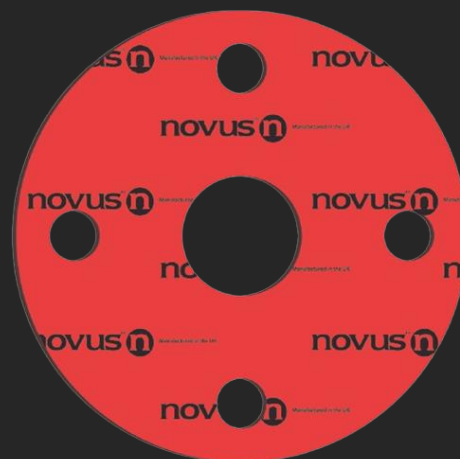
POWER TO THE FUTURE

Flexitallic®

SAFETY DATA SHEETS

Novus™ HDS 1

Novus HDS-1 is a superior performance high dielectric strength universal compressed sheet gasket material, based on a blend of aramid and inorganic fibres and special additives with a high quality nitrile rubber binder system.



web

www.flexitallic.com

www.flexitallic.au

in

1. PRODUCT IDENTIFICATION AND COMPANY

- 1.1. **Product name:** novus™ HDS1.
1.2. **Product use/ Application:** Elastomer bonded sheet gasket material with electrical isolation properties.

1.3. Company identification:

Flexitallic Australia Pty Ltd

ADDRESS: 13-15 - Vinnicombe Drive, Canning Vale, WA, 6155.
Phone number: +61 (08) 9455 2155 (8.30am to 5.00pm Monday to Friday).
Emergency email: mailbox@flexitallic.au
Emergency service contacts:
Emergency service: 000.
112 is available from all GSM or GSM derived mobile phones.

Flexitallic Benelux

ADDRESS: Smallandlaan 21,2660
Hoboken,
BELGIUM
Phone number: +32 3 369 19 68
Emergency e-mail: Benelux@flexitallic.eu
Emergency service contacts:
Medical service: 100/112

Flexitallic Canada Ltd

ADDRESS: 4340 – 78 Avenue,
Edmonton,
Alberta, T6B 3J5
Phone number: +1 780-466-5050
Emergency e-mail: info@flexitallic.ca
Emergency service contacts:
Emergency service: 911

Flexitallic France

ADDRESS: Siem Supranite,
31-33 rue de Mogador,
75009 Paris
Phone number: 33 (1) 48 88 88 88
Emergency service contacts:
General Emergency: 112
Ambulance: 15

Flexitallic Germany

ADDRESS: Halskestr 13, 47877 Willich ,Germany
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Emergency e-mail: customerservice@flexitallic.de
Emergency service contacts:
Emergency service: 112

Flexitallic Italy S.r.l

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Emergency service contacts:
Emergency service: 118

Flexitallic Thailand

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Estate, Mabyangporn, Sub-district, Rayong Province
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Emergency service contacts:
Emergency service: 191

Flexitallic United Arab Emirates

ADDRESS:
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Wujiang Economic and Technological Development Zone
Suzhou 215200, P.R.China
Phone number: +86 512 6303 2839
Emergency e-mail: HR@flexitallic.ae
Emergency service contacts: **Emergency service:** 911
112 is available from all GSM or GSM derived mobile phones

Flexitallic UK Ltd

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Cleckheaton, West Yorkshire, BD19 4LN
Phone number: 01274 851273
Emergency e-mail: enquiries@flexitallic.eu
Emergency service contacts:
Emergency service: 999
112 is available from all GSM or GSM derived mobile phones

Flexitallic US LLC

ADDRESS: 4150 North Sam Houston Pkwy E #190
Houston, TX 77032
Phone number: +44 (0)1274 851 273
Emergency e-mail: - ussales@flexitallic.com
Emergency service contacts:
Emergency service: 911
112 is available from all GSM or GSM derived mobile phones

2. HAZARD IDENTIFICATION

Australia:

2.1. Statement Of Hazardous Nature:

Based on the information available, this is not classified as hazardous according to the criteria of Safe Work Australia and the GHS (Globally Harmonised System of Classification and Labelling of Chemicals).

The material is not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail. Do not transport explosives, oxidising agents, organic peroxides, or foodstuffs. In sheet and cut gasket form, there is no risk associated with the product under normal transport conditions.

Classification according to GHS	Not Classified.
GHS Label Elements:	Not Applicable for these products.
Other Hazard Information :	The product is considered harmless to health and the environment in the form supplied gasket if stored and handled in the correct manner (see Section 7); no hazards are known based on the present information.
Other safety prosecutions during Manufacturing gasket	Refer to 2.4
2.2. Poisons Schedule (Aust):	Not applicable.

2.3. AUSTRALIA: Classification of items:

Chemical name	Statement
Aramid fibres	This chemical is listed on the AICIS website.
Elastomeric binder (Nitrile Rubber)	This chemical is listed on the AICIS website.
Inert fillers	This chemical is listed on the AICIS website.
Vulcanising agents	This chemical is listed on the AICIS website.
Pigments	This chemical is listed on the AICIS website.

2.3.1. Classification of items within the mixture:

Regulation (EC) No 1272/2008 (CLP)	Hazard Statement
Aramid fibres	Non-hazardous within the mixture.
Elastomeric binder (Nitrile Rubber)	Non-hazardous within the mixture.
Inert fillers	Non-hazardous within the mixture.
Vulcanising agents	Non-hazardous within the mixture.
Pigments	Non-hazardous within the mixture.

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 (keep the material sheet away from heat during manufacturing or cutting the gasket)
 S38 Use suitable respirator if dust exposure limits are exceeded during cutting, grinding or drilling.
 S41 In case of fire and or explosion, do 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.
For any gasket that is exposed to other hazardous substances onsite, you must wear PPE when handling it. The manufacturer accepts no responsibility for incorrect handling of the Gasket.
 R36/37/38 Irritating to eyes, respiratory system and skin.
The customer's sample gaskets may have been exposed to hazardous substances or the environment. Therefore, upon receiving any customer sample gasket to be manufactured, you must always wear gloves, safety glasses, and respiratory protection.

- 2.6. Other hazard information: Although substances used in the manufacture of this sheet material can, prior to production, present hazards from ingestion, etc., when contained within the sheet materials, they do not present a hazard in any form, nor can they be released.
 Prior to the manufacturing of sheets, ensure to wear a suitable Mask.

- 2.7. Label elements: Not applicable to this product.

3.COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1. The Materials used to product this sheet material are listed in section 2.1 of this document.
- 3.2. Mixtures are 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 can be used if required. |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
- 4.2. **Inhalation:** *The product supplied as a gasket poses no significant health hazard.*
Inhalation dust arising from working with the product should be treated as nuisance particulate matter. Inhalation of dust may cause irritation to the mucous membranes and upper respiratory tract. The movement of exposed individuals to fresh air is recommended.
- 4.3. **Skin contact:** If the skin gets irritated and itchy due to dust, rinse immediately with plenty of water and seek medical help if there is no improvement.
- 4.4. **Eye contact:** If the dust comes into contact with the eyes, rinse immediately with plenty of water.
- 4.5. **Ingestion:** N/A.
- 4.6. **symptoms:** N/A.
- 4.7. **Indications of immediate medical attention being required:** N/A.

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.
- 5.2. **Extinguishing media:** Water or foam.
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.
- 5.3. **Special hazards arising from the material:** None.
- 5.4. **Advice to fire fighters:** None.

6.ACCIDENTAL RELEASE MEASURES

- 6.1. **Personal precautions:** Spillage could create a slip hazard underfoot.
Any gasket that is exposed to other hazardous substances onsite requires PPE when handled.
Wear suitable gloves when handling materials or gaskets.
Caution should be observed when handling because of the risk of exposed sharp edges.
- 6.2. **Environmental precautions:** Personal: See Section 4.
Environmental: No known environmental hazards exist.
- 6.3. **Clean up:** Remove any dust generated by the vacuum. Clean up all debris and scrap material by using a vacuum or a broom and dustpan to clean the area. Wear a glove to remove larger debris or scrap material pieces.
Approved vacuum cleaners with high-efficiency filters (HEPA) conforming to AS3544 or equivalent must be used to clean areas. Spills that involve powder, dust, or granules may create a slip hazard and should be cleaned up immediately. Sweep up, but avoid generating dust.

7.HANDLING AND STORAGE

- 7.1. **Handling:** Gloves should be worn when handling these materials.
When processing and manufacturing of the product are undertaken, the potential for the generation of dust exists. See Section 8.
- 7.2. **Conditions for safe storage:** Cool, dry conditions in a well-ventilated area away from foodstuffs. Material should not be stored in the vicinity of heat sources. Material is only flammable through the effects of intensive heat. Excessive heat or humidity in the storage area may diminish the product's performance in its intended application.
- 7.3. **Specific end uses:** Refer to the appropriate technical data sheet.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

- 8.1. Personal protective equipment:
- 8.1.1. Respiratory protection: Use a suitable respirator if dust exposure limits are exceeded during cutting, grinding, or drilling.
- 8.1.2. Hand protection: Wear suitable gloves when handling materials or gaskets.
[For any gasket that is exposed to other hazardous substances onsite, you must wear PPE when handling it.]
- 8.1.3. Skin and eye protection: Use approved eye protection and wear overalls when machining.
[The customer's sample gaskets may have been exposed to hazardous substances or the environment. Therefore, upon receiving any customer sample gasket to be manufactured, you must always wear gloves, safety glasses, and respiratory protection.]
- 8.1.4. Personal protection:



- 8.2. Engineering measures: Recommend local exhaust ventilation when cutting, grinding, machining, or drilling operations are involved.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1. Information on basic physical and chemical properties.
- 9.2. Physical state: Solid.
- 9.3. Colour and appearance: Red with slight rubber odour
- 9.4. Odour threshold: N/A
- 9.5. pH: Slightly alkaline.
- 9.6. Freezing boiling point and boiling range: N/A.
- 9.7. Initial boiling point and boiling range: N/A.
- 9.8. Flash point: N/A.
- 9.9. Evaporation rate: N/A.
- 9.10. Flammability: N/A.
- 9.11. Upper/lower flammability or explosion limits: N/A.
- 9.12. Vapour pressure: N/A.
- 9.13. Relative density: 1.75 g/cc.
- 9.14. Evaporation rate: N/A.
- 9.15. Solubility in water: Insoluble in Water.
- 9.16. Auto ignition temperature: N/A.
- 9.17. Decomposition temperature: N/A.
- 9.18. Viscosity: N/A.
- 9.19. Explosive properties: N/A.
- 9.20. Boiling point: N/A.
- 9.21. Specific gravity: N/A.
- 9.22. Coeff. Water/oil Dist.: N/A.

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: Avoid excessive overheating.
- 10.5. Incompatible materials: N/A.
- 10.6. Hazardous decomposition products: N/A

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: N/A.
- 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 the federal, state, provincial, and local governments. Consideration should also be given to the potential for recycling or, if possible, other environmentally friendly routes.

14. TRANSPORT INFORMATION

14.1.	Packaging:	Pack to prevent damage and liberation of any dust.
14.2.	Frigh 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.	Special requirements:	The material is not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail. Do not transport explosives, oxidising agents, organic peroxides, or foodstuffs. In sheet and cut gasket form, there is no risk associated with the product under normal transport conditions.

15. REGULATORY INFORMATION

15.1.	Regulatory information:	N/A.
15.2.	Safety information:	
15.2.1.	Safety phase:	
	S22	Do not breathe dust. [During cutting, grinding, drilling, or sanding, do not breathe dust.] [Use a suitable respirator if dust exposure limits are exceeded during cutting, grinding, drilling, and sanding.]
	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 [For any gasket that is exposed to other substances onsite, you must wear PPE when handling it].

*Refer to section 2 of this SDS.

16. ANY OTHER RELEVANT INFORMATION

16.1. List of abbreviations:

16.2.	ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail.
16.3.	AICIS	Australian Industrial Chemicals Introduction Scheme.
16.4.	ADR	Accord Dangerous Routier.
16.5.	GHS	Globally Harmonised System of Classification and Labelling of Chemicals.
16.6.	HVICL	The Australian high volume industrial chemical list.
16.7.	IMDGC	International Maritime Dangerous Goods Code.
16.8.	NNOHSC	National Occupational Health and Safety Commission.
16.9.	PBT	Persistent, Bio-accumulative and Toxic.
16.10.	SDS	Safety Data Sheet.
16.11.	STOT	Specific Target Organ Toxicity.
16.12.	UN Number	United Nations Number.
16.13.	vPvB	Very Persistent very Bio accumulative.



16.14. SDS report status:

This document has been compiled by Flexitallic Group 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 that has been provided to Flexitallic Group 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 Flexitallic Group 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 is legally possible, Flexitallic Group disclaims any responsibility for any loss, harm, or damage (including consequential loss) that a person may experience or incur as a result of relying on the information in this SDS.

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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 is based on the Infosafe GHS format. Disclaimer: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued.

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Approved by:	Stuart Shaw, Lab Manager, Flexitallic UK Ltd	Signature: <i>S.J. Shaw</i>	 Digitally signed by Stuart Shaw Date: 2023.07.12 09:10:55 +01'00'
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