Novus Sealing Ltd

MATERIAL SAFETY DATA SHEET

PRODUCT SAFETY DATA SHEET FOR: Novus Uniflon 50

ISSUE DATE: 27/10/09 **Issue Number 3**

1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION & THE COMPANY

1.1 Chemical Identification Novus Uniflon 50

1.2 Application A filled P.T.F.E gasket material intended for use as a sealing material between flanges, can be in the form of sheets or cut gaskets.

1.3 Company Identification

Novus Sealing Ltd
Hunsworth Lane
Cleckheaton
West Yorkshire
BD19 3UJ

Telephone No: 01274 878787
Fax No: 01274 862588
E-Mail: mailbox@novussealing.com

2: COMPOSITION / INFORMATION ON INGREDIENTS

2.1 Chemical Description
Superior performance biaxially orientated P.T.F.E sheet material with glass microspheres.

2.2 Hazardous Ingredients	Cas No	Wt %	R Phrases

3: HAZARD IDENTIFICATION

Do not inhale high temperature thermal decomposition products. Do not smoke in presence of P.T.F.E, contamination of tobacco products must be avoided.

4: FIRST AID MEASURES

4.1	**Eye Contact**	Wash eye with water.
4.2	**Skin Contact**	No known hazard in general use.
4.3	**Ingestion**	Unlikely to occur in general use.
4.4	**Inhalation**	In the product as supplied no significant health hazard.

5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media Water, Carbon dioxide, Dry powder, Foam.

5.2 Fire and Explosion Hazards
Low fire hazard. However, combustion or thermal decomposition will evolve toxic and corrosive vapours.

5.3 Protection Measures
In the event of a fire, wear a self contained breathing apparatus and a complete suit protecting against chemicals. Wear neoprene gloves when handling refuse from fire.

6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions
Recommendations given in section 8.

6.2 Environmental Precautions
Waste disposal, see section 13.

6.3 Cleaning Up
Remove any dust generated by vacuum or damp cloth.

7: STORAGE AND HANDLING

7.1 Storage
Cool, dry conditions away from direct sunlight and electrical discharge.

7.2 Recommended Shelf Life
Indefinite if stored correctly.

7.3 Handling
Wear gloves.

8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Occupational Exposure Limits

8.2 Engineering Measures
Recommend local exhaust ventilation when cutting, grinding machining or drilling operations involved.

8.3 Personal Protective Equipment

Respiratory Protection
Use suitable respirator if dust exposure limits are exceeded during cutting, grinding or drilling.

Hand Protection
Wear cotton or rubber gloves.

Eye Protection
Use approved eye protection when machining.

Skin Protection
Wear overalls.

9: PHYSICAL / CHEMICAL PROPERTIES

9.1	**Appearance**	Blue coloured sheet or gasket.
9.2	**Odour**	Not applicable.
9.3	**PH**	Not applicable.
9.4	**Boiling Point**	Not applicable.
9.5	**Melting Point**	327 – 342 Deg C.
9.6	**Flash Point**	Not applicable.
9.7	**Decomposition Temperature**	> 300 Deg C
9.8	**Explosive Properties**	Not applicable.
9.9	**Vapour Pressure**	Not applicable.
9.10	**Relative Density**	1.4 g/cc
9.11	**Solubility**	Insoluble in water.

10: STABILITY AND REACTIVITY

10.1	**Stability**	Stable under recommended storage conditions.
10.2	**Conditions to Avoid**	Temperatures above 300 Deg C.
10.3	**Materials to Avoid**	Aluminium powder, strong oxidising agents and alkali metals.
10.4	**Hazardous Decomposition Products**	Hydrogen fluoride, carbonyl fluoride and fluorinated olefines.

11: TOXICOLOGICAL INFORMATION

11.1 Short Term Effects

Eye Contact May cause irritation.

Skin Contact No effect.

Ingestion No effect.

11.1 Inhalation High temperature thermal decomposition products may cause polymer fume fever with flu-like symptoms, symptoms usually occur after 2 hours and decline within the next 36 to 48 hours. No persistent or cumulative effects have been observed.

11.2 Chronic Effects

12: ECOLOGICAL INFORMATION

12.1	**LC50**	Not applicable.
12.2	**COD**	Not applicable.
12.3	**BOD**	Not applicable.
12.4	**Other**	Not applicable.

13: DISPOSAL CONSIDERATIONS

Bury on authorised landfill site or incinerate under approved controlled conditions. This product May be incinerated above 800 Deg C using a scrubber to remove Hydrogen Fluoride. Disposal Should be in accordance with local, state or national legislation.

14: TRANSPORT INFORMATION

14.1 Packaging

Pack to prevent damage and liberation of any dust.

14.2 Freight Classifications Not classified as dangerous goods.

ADR Number Not applicable.

IMDG Code Not applicable.

Packing Group Not applicable.

Trem Card Not applicable.

UN Number Not applicable.

15: REGULATORY INFORMATION

15.1 CPL Classification Not applicable.

Hazard Pictogram Not applicable.

15.1 **Risk Phrases** Not applicable.

Safety Phrases S21, S23, S41.

NOTE: This Data Sheet does not constitute a users assessment of workplace risk as required by HSW act, COSHH, Management of Health and Safety at Work regulations or other Health and Safety legislation.

16: OTHER INFORMATION

Text of any Risk Phrases/Safety Phrases listed in 15.1

S22 Do not breathe dust.

S35 This material and its container must be disposed of in a safe way.

S37 Wear suitable gloves.

Significant Contents:

Polytetrafluorethylene (PTFE)
Silica
Glass Microspheres
Ultramarine Blue

<u>Further information and relevant advice can be found in:-</u>

Health and Safety at Work Act 1974

The Control of Substances Hazardous to Health Regulations 1988

NOTE: The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation.
It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.