

## Safety Data Sheet (NOHSC:2011)

Material: 60082206

Silicone Addition Transparent 15

Version: 1.0 (AU)

Date of print: 12.10.2012

Date of last alteration: 12.01.2012

### 1. Identification of the material and supplier

#### 1.1 Product identifier

**Commercial product name:** Silicone Addition Transparent 15

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

Industrial.  
Raw material for: elastomer products

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer:** Nedform BV Hofdwarweg 20  
**Street/POB-No.:** 6161DD Geleen, The Netherlands  
**State/postal code/city:** 0031 (0) 46 410 6260  
**Telephone:** 0031 (0) 46 410 6270  
**Telefax:**

Information about the Safety Data Sheet: Telephone 0031 (0) 46 410 6260  
Telefax 0031 (0) 46 410 6270  
eMail info@nedform.com

#### 1.4 Emergency telephone number

**Emergency information:** Regulatory Compliance Manager +61 3 9541 8900  
**Emergency response service only (24h):** Orica Australia SH&E Shared Services 1800 033 111

### 2. SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

NON-HAZARDOUS SUBSTANCE (according to the criteria of NOHSC). NON-DANGEROUS GOOD (according to the ADG Code).

**Classification (67/548/EEC, 1999/45/EC):**

R-Phrase	Description
R-	-

This product is not a dangerous preparation within the meaning of Directive 1999/45/EC.

#### 2.2 Label elements

**Labelling (67/548/EEC, 1999/45/EC):**

R-Phrase	Description
R-	-

S-Phrase	Description
S-	-

#### 2.3 Other hazards

Product can release hydrogen. Danger of oxyhydrogen gas formation with water, alcohols, acids, metallic salts, amines and alkalis.

### 3. SECTION 3: Composition/information on ingredients

#### 3.1 Substances

not applicable

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### 3.2 Mixtures

#### 3.2.1 Chemical characterization (preparation)

Polydimethylsiloxane with functional groups and auxiliaries for addition cross-linking

## 4. SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information:

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

#### After inhalation:

Material cannot be inhaled under normal conditions.

#### After contact with the skin:

Wipe off excess material with cloth or paper. Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

#### After contact with the eyes:

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

#### After swallowing:

Give several small portions of water to drink. Do not induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

### 4.3 Advice for the doctor:

No data are available.

## 5. SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media:

alcohol-resistant foam , carbon dioxide , sand . Hydrogen gas can become trapped under foam blankets, so sources of ignition must be eliminated during the clean-up and recovery process.

#### Extinguishing media which must not be used for safety reasons:

water , extinguishing powder , halones .

### 5.2 Special hazards arising from the substance or mixture

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### 5.3 Advice for firefighters

#### Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air.

## 6. SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Secure the area. Wear personal protection equipment (see section 8). If material is released indicate risk of slipping.

### 6.2 Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil.

### 6.3 Methods and material for containment and cleaning up

Take up mechanically and dispose of according to local/state/federal regulations. Use vented recovery containers. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

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### Further information:

Eliminate all sources of ignition. Material designated for disposal must be segregated from incompatible substances or materials specified in Sect. 10.2. Do not blend contaminated material with uncontaminated material. Observe notes under section 7.

### 6.4 Reference to other sections

Relevant information in other sections have to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

## 7. SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Precautions for safe handling:

Open and handle container with care. Ensure adequate ventilation. Keep container closed when not in use. Keep away from incompatible substances in accordance with section 10.2. Where possible, inert process equipment and blanket vessels, tanks and containers with nitrogen to reduce the available oxygen level. Contact WACKER for additional publications on the safe Handling of SiH Products.

#### Precautions against fire and explosion:

Product can release hydrogen. In partly emptied containers formation of explosive mixtures is possible. Keep away from sources of ignition and do not smoke. Keep away from open flames, heat and sparks. Take precautionary measures against electrostatic charging.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Conditions for storage rooms and vessels:

none known

#### Advice for storage of incompatible materials:

Do not store with: basic substances (e.g. alkalis, ammonia, amines) , oxidizing agents , strong acids .

#### Further information for storage:

Protect against moisture. Store in a dry and cool place. Store container in a well ventilated place.

### 7.3 Specific end use(s)

No data are available.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Maximum airborne concentrations at the workplace:

not applicable

### 8.2 Exposure controls

#### 8.2.1 Exposure in the work place limited and controlled

##### General protection and hygiene measures:

Do not eat, drink or smoke when handling. Wash hands at the end of work and before eating.

##### Personal protection equipment:

##### Respiratory protection

not required .

##### Hand protection

Recommendation: Protective gloves made of butyl rubber , protective gloves coated with neoprene , PVC gloves . Gloves suitable for up to 60 minutes' use.

##### Eye protection

protective goggles .

#### 8.2.2 Exposure to the environment limited and controlled

Prevent material from entering surface waters and soil.

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### 9. SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General information:

Physical state / form.....: paste  
Colour .....: translucent  
Odour .....: slight

##### Important information about the protection of health, safety and the environment:

Property:	Value:	Method:
Melting point / melting range .....	not determined	
Boiling point / boiling range .....	not applicable	
Flash point.....	321 °C	(DIN 51376)
Ignition temperature .....	445 °C	(DIN 51794)
Lower explosion limit (LEL) .....	not determined	
Upper explosion limit (UEL).....	not determined	
Vapour pressure.....	not applicable	
Density .....	1.06 g/cm <sup>3</sup> at 23 °C, at 1013 hPa	(DIN 51757)
Water solubility / miscibility.....	virtually insoluble	
pH-Value .....	not applicable	
Viscosity (dynamic) .....	5000 - 12000 mPa.s at 23 °C	(BROOKFIELD)

#### 9.2 Other information

According to previous experience autoignition of SiH containing products on a catalytically active surface may occur at a much lower temperature than expected. This applies to porous or fibrous substances including those with alkaline surfaces, such as thermal insulation and cementaceous insulating materials. Explosion limits for released hydrogen: 4 - 75.6%(V). Re 9.2 pH Value: Product displays neutral reaction.

### 10. SECTION 10: Stability and reactivity

#### 10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions

Stable under normal conditions of use.

Relevant information can possibly be found in other parts of this section.

#### 10.4 Conditions to avoid

moisture . Heat, open flames, and other sources of ignition. Contact with contaminated piping or vessels or with corroded and rusty containers can increase the rate of hydrogen formation. Observe information in section 7.

#### 10.5 Incompatible materials

Reacts with: acids , basic substances (e.g. alkalis, ammonia, amines) , alcohols , water , moisture , oxidizing agents , catalyst .  
Reaction causes the formation of: hydrogen .

#### 10.6 Hazardous decomposition products

hydrogen . Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

### 11. SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### 11.1.1 Acute toxicity

###### Assessment:

For this endpoint no toxicological test data is available for the whole product.

##### 11.1.2 Skin corrosion/irritation

###### Assessment:

For this endpoint no toxicological test data is available for the whole product.

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### 11.1.3 Serious eye damage / eye irritation

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

### 11.1.4 Respiratory or skin sensitization

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

### 11.1.5 Germ cell mutagenicity

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

### 11.1.6 Carcinogenicity

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

### 11.1.7 Reproductive toxicity

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

### 11.1.8 Specific target organ toxicity (single exposure)

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

### 11.1.9 Specific target organ toxicity (repeated exposure)

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

### 11.1.10 Aspiration hazard

**Assessment:**

Based on the physical-chemical properties of the product no aspiration hazard must be expected.

## 12. SECTION 12: Ecological information

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### 12.1 Toxicity

**Assessment:**

Evaluation on basis of physical-chemical properties: No expected damaging effects to aquatic organisms. According to current knowledge adverse effects on water purification plants are not expected.

### 12.2 Persistence and degradability

**Assessment:**

Biologically not degradable. Insoluble in water. Separation by sedimentation.

### 12.3 Bioaccumulative potential

**Assessment:**

No adverse effects expected.

### 12.4 Mobility in soil

**Assessment:**

Insoluble in water. No adverse effects expected.

### 12.5 Other adverse effects

none known

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### 13. SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### 13.1.1 Material

Recommendation:

Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable governmental regulations. Material designated for disposal must be segregated from incompatible substances or materials specified in Sect. 10.2. Wastes of this material should not be mixed with other wastes. Provide measures such as vented bungs to ensure pressure relief in the waste containers.

##### 13.1.2 Uncleaned packaging

Recommendation:

Containers may contain hazardous quantities of hydrogen gas. Uncleaned containers should not be reused to hold another material due to the potential for reaction between residual product and incompatible materials. Uncleaned packaging should be treated with the same precautions as the material. Containers should be completely emptied before recycling as specified in government regulations.

### 14. SECTION 14: Transport information

#### 14.1–14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group

Land transport ADG Code (road and rail)::

Transport by sea IMDG-Code:

Valuation .....: Not regulated for transport

Air transport ICAO-TI/IATA-DGR:

Valuation .....: Not regulated for transport

#### 14.5 Environmental hazards

Hazardous to the environment: no

#### 14.6 Special precautions for user

Relevant information in other sections have to be considered.

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Bulk transport in tankers is not intended.

### 15. SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

##### 15.1.1 Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) Australia:

Poisons Schedule number:

No Poisons Schedule number allocated.

#### 15.2 Other international regulations

Details of international registration status:

Listed on or in accordance with the following inventories:

EINECS - Europe

ECL - Korea

ENCS - Japan

AICS - Australia

IECSC - China

DSL - Canada

PICCS - Philippines

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TSCA - USA

### 16. SECTION 16: Other information

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#### 16.1 Material

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

#### 16.2 Further information:

Vertical lines in the left-hand margin indicate changes compared with the previous version. This version supersedes all previous versions.

#### 16.3 Glossary of Terms:

CAS No. - Chemical Abstracts Service Registry Number

UN No. - United Nations Dangerous Goods Number

ADG Code - Australian Dangerous Goods Code for the Transport of Dangerous Goods by Road & Rail

IMDG Code - International Maritime Dangerous Goods Code

IATA Regs - International Air Transport Association (IATA) Dangerous Goods Regulations

NOHSC - Australian National Occupational Health and Safety Commission (Note: NOHSC documents are now published by the ASCC)

ASCC - Australian Safety & Compensation Council

OEL - Occupational exposure limit in Great Britain

AGW - Occupational exposure limit in Germany

ES\_AU - Occupational exposure limit in Australia

- End of Safety Data Sheet -