# Heegermaterials

# SAFETY DATA SHEET

Issue Date 28-May-2022 Revision Date 21-Nov-2023 Version

# Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Titanium and Titanium Alloys

Synonyms All Titanium Base Alloys

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

Recommended Use Alloy product manufacture

Uses advised against

1.3. Details of the supplier of the safety data sheet

Manufacturer Address

Heeger Materials Inc., 230 Steele St Denver, CO 80206 United States

1.4. Emergency telephone number

Emergency Telephone Chemtrec: +1-703-741-5970

# Section 2: HAZARDS IDENTIFICATION or mixture

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

2.2. Label elements

**Emergency Overview** 

Appearance Various massive product Physical state Solid Odour Odourless

forms

#### 2.3 Hazards not otherwise classified (HNOC)

Not applicable

Other Information

When product is subjected to welding, burning, melting, sawing, brazing, grinding, buffing, polishing, or other similar heat-generating processes, the following potentially hazardous airborne particles and/or fumes may be generated Titanium dioxide, an IARC Group 2B carcinogen.

Hexavalent Chromium (Chromium VI) may cause lung, nasal, and/or sinus cancer

Vanadium pentoxide (V2O5) affects eyes, skin, respiratory system

Soluble molybdenum compounds such as molybdenum trioxide may cause lung irritation

# Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

**Synonyms** 

All Titanium Base Alloys, (Product #833).

Chemical Name	EC No	CAS No	Weight-%
Titanium	231-142-3	7440-32-6	50->99
Vanadium	231-171-1	7440-62-2	0-45
Molybdenum	231-107-2	7439-98-7	0-37
Zirconium	231-176-9	7440-67-7	0-35
Chromium	231-157-5	7440-47-3	0-18
Niobium	231-113-5	7440-03-1	0-15
Tin	231-141-8	7440-31-5	0-8
Aluminium	231-072-3	7429-90-5	0-8
Silicon	231-130-8	7440-21-3	0-3

# **Section 4: FIRST AID MEASURES**

#### 4.1. Description of first aid measures

If excessive amounts of smoke, fume, or particulate are inhaled during processing, remove to fresh air and consult a qualified health professional.

**Skin Contact** 

Inhalation

None under normal use conditions.

Eye contact

In the case of particles coming in contact with eyes during processing, treat as with any

foreign object.

Ingestion

Not an expected route of exposure.

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

**Symptoms** 

None anticipated.

als Inc. 4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors

Treat symptomatically.

# **Section 5: FIRE FIGHTING MEASURES**

#### 5.1. Extinguishing media

### Suitable extinguishing media

None in massive form, flammable as finely divided particles. Smother with salt (NaCl) or class D dry powder fire extinguisher.

#### Unsuitable extinguishing media

Do not spray water on burning metal as an explosion may occur. This explosive characteristic is caused by the hydrogen and steam generated by the reaction of water with the burning material.

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

Intense heat. Very fine, high surface area material resulting from grinding, buffing, polishing, or similar processes of this product may ignite spontaneously at room temperature. WARNING: Fine particles resulting from grinding, buffing, polishing, or similar processes of this product may form combustible dust-air mixtures. Keep particles away from all ignition sources including heat, sparks, and flame. Prevent dust accumulations to minimise combustible dust hazard.

Hazardous combustion products Titanium dioxide, an IARC Group 2B carcinogen. Hexavalent Chromium (Chromium VI) may cause lung, nasal, and/or sinus cancer. Vanadium pentoxide (V2O5) affects eyes, skin,

respiratory system. Soluble molybdenum compounds such as molybdenum trioxide may cause lung irritation.

#### 5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# **Section 6: ACCIDENTAL RELEASE MEASURES**

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

#### **Personal precautions**

Use personal protective equipment as required.

#### For emergency responders

Use personal protective equipment as required.

#### 6.2. Environmental precautions

Not applicable to massive product.

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

Methods for containment Not applicable to massive product.

Methods for cleaning up Not applicable to massive product.

6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION

# **Section 7: HANDLING AND STORAGE**

# 7.1. Precautions for safe handling

#### Advice on safe handling

Very fine, high surface area material resulting from grinding, buffing, polishing, or similar processes of this product may ignite spontaneously at room temperature. WARNING: Fine particles resulting from grinding, buffing, polishing, or similar processes of this product may form combustible dust-air mixtures. Keep particles away from all ignition sources including heat, sparks, and flame. Prevent dust accumulations to minimise combustible dust hazard.

#### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

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

#### **Storage Conditions**

Keep chips, turnings, dust, and other small particles away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

### Incompatible materials

Dissolves in hydrofluoric acid, Ignites in the presence of fluorine. When heated above 200°C, reacts exothermically with the following. Chlorine, bromine, halocarbons, carbon tetrachloride, carbon tetrafluoride, and freon.

#### 7.3. Specific end use(s)

#### **Risk Management Methods (RMM)**

Not required.

# Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

# 8.1. Control parameters

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Titanium 7440-32-6	-	-	-	-	-
Vanadium 7440-62-2	-	-	-	-	Skin
Molybdenum 7439-98-7	-	-	-	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>	-
Zirconium 7440-67-7	-	TWA: 5 mg/m <sup>3</sup>	-	STEL: 10 mg/m³ TWA: 5 mg/m³	TWA: 1 mg/m³ Ceiling / Peak: 1 mg/m³
Chromium 7440-47-3	TWA: 2 mg/m <sup>3</sup>	STEL: 1.5 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>
Niobium 7440-03-1	-	-	-	-	-
Tin 7440-31-5	TWA 2 mg/m³ as Sn	TWA: 2 mg/m <sup>3</sup>	-	TWA: 2 mg/m <sup>3</sup>	-
Aluminium 7429-90-5	-	STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>	TWA: 10 mg/m³ TWA: 5 mg/m³	TWA: 10 mg/m³ TWA: 5 mg/m³	TWA: 4 mg/m³ TWA: 1.5 mg/m³
Silicon 7440-21-3	-	STEL: 30 ppm STEL: 12 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-	-
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Titanium 7440-32-6	100	-	-	-	-
Vanadium 7440-62-2	80%	-	-	-	-
Molybdenum 7439-98-7	<u> </u>	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>	-	TWA: 0.5 mg/m <sup>3</sup>	-
Zirconium 7440-67-7	-	STEL: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	-	TWA: 1 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>
Chromium 7440-47-3	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>
Niobium 7440-03-1	-	-	449/	-	TWA: 5 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup>
Tin 7440-31-5	-	TWA: 2 mg/m <sup>3</sup>	- 4	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>
Aluminium 7429-90-5	-	TWA: 10 mg/m³ TWA: 5 mg/m³	TWA: 0.05 mg/m <sup>3</sup>	TWA: 1.5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>
Silicon 7440-21-3	-	-	-		TWA: 10 mg/m <sup>3</sup>
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Titanium 7440-32-6	-	-	STEL: 30 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	-	-
Vanadium 7440-62-2	STEL 1 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup>	-	-	TWA: 0.2 mg/m <sup>3</sup> Ceiling: 0.05 mg/m <sup>3</sup> STEL: 0.6 mg/m <sup>3</sup>	-
Molybdenum 7439-98-7	STEL 20 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	STEL: 10 mg/m³ TWA: 4 mg/m³	-	TWA: 0.5 mg/m <sup>3</sup>
Zirconium 7440-67-7	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m³	STEL: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m³ STEL: 10 mg/m³	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
Chromium 7440-47-3	TWA: 2 mg/m³	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup> STEL: 1.5 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>
Niobium 7440-03-1	STEL 10 mg/m <sup>3</sup> STEL 1 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup>	-	-	-	-
Tin 7440-31-5	STEL 4 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>	Skin STEL: 4 mg/m³ TWA: 2 mg/m³	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m³ STEL: 4 mg/m³	TWA: 2 mg/m <sup>3</sup>
Aluminium 7429-90-5	STEL 20 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup> TWA: 1.2 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 1 mg/m³ TWA: 5 mg/m³
Silicon 7440-21-3	-	TWA: 3 mg/m <sup>3</sup>	-	TWA: 10 mg/m³ STEL: 20 mg/m³	TWA: 10 mg/m³ TWA: 4 mg/m³

**Derived No Effect Level (DNEL)** No DNELs are available for this product as a whole

**Predicted No Effect Concentration** 

(PNEC)

No PNECs are available for this product as a whole.

8.2. Exposure controls

**Engineering Controls** Avoid generation of uncontrolled particles.

Personal protective equipment

Eye/face protection

When airborne particles may be present, appropriate eye protection is recommended. For example, tight-fitting goggles, foam-lined safety glasses or other protective equipment that

shield the eyes from particles.

Skin and body protection

Wear fire/flame resistant/retardant clothing. Cut-resistant gloves and/or protective clothing

may be appropriate when sharp surfaces are present.

Respiratory protection

When particulates/fumes/gases are generated and if exposure limits are exceeded or irritation is experienced, proper approved respiratory protection should be worn.

Positive-pressure supplied air respirators may be required for high airborne contaminate concentrations. Respiratory protection must be provided in accordance with current local

regulations.

**Environmental exposure controls** 

Section 6: ACCIDENTAL RELEASE MEASURES.

#### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state Solid

Various massive product forms **Appearance** Colour

grey Silver

Odour Odour threshold

Odourless Not applicable

**Property** Remarks • Method Values

Not applicable

Not applicable

pН

1850 °C / 3370 °F Melting point/freezing point

Boiling point / boiling range

Flash point **Evaporation rate** 

Flammability (solid, gas)

None in massive form, flammable as finely divided

particles

Flammability Limit in Air Upper flammability limit:

Lower flammability limit

Vapour pressure Vapour density **Specific Gravity** 6.49 Water solubility Insoluble

Solubility(ies) Partition coefficient **Autoignition temperature Decomposition temperature** Kinematic viscosity **Dynamic viscosity** 

**Explosive properties Oxidising properties** 

9.2. Other information

Softening point Molecular weight

Not applicable **VOC Content (%)** 

**Density Bulk density**  Not applicable

Not applicable

Not applicable

Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable

# **Section 10: STABILITY AND REACTIVITY**

#### 10.1. Reactivity

Not applicable

#### 10.2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

#### 10.3. Possibility of hazardous reactions

#### Hazardous polymerisation

Hazardous polymerisation does not occur.

#### **Possibility of Hazardous Reactions**

None under normal processing.

#### 10.4. Conditions to avoid

Dust formation and dust accumulation.

#### 10.5. Incompatible materials

Dissolves in hydrofluoric acid, Ignites in the presence of fluorine. When heated above 200°C, reacts exothermically with the following. Chlorine, bromine, halocarbons, carbon tetrachloride, carbon tetrafluoride, and freon.

## 10.6. Hazardous decomposition products

When product is subjected to welding, burning, melting, sawing, brazing, grinding, buffing, polishing, or other similar heat-generating processes, the following potentially hazardous airborne particles and/or fumes may be generated: Titanium dioxide, an IARC Group 2B carcinogen. Hexavalent Chromium (Chromium VI) may cause lung, nasal, and/or sinus cancer. Vanadium pentoxide (V2O5) affects eyes, skin, respiratory system. Soluble molybdenum compounds such as molybdenum trioxide may cause lung irritation.

# Section 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

#### **Product Information**

**Inhalation**Not an expected route of exposure for product in massive form. **Eve contact**Not an expected route of exposure for product in massive form.

**Skin Contact** Product not classified.

**Ingestion** Product not classified. Not an expected route of exposure for product in massive form.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium	> 5000 mg/kg bw	-	-
Vanadium	> 2000 mg/kg bw	-	-
Molybdenum	> 2000 mg/kg bw	> 2000 mg/kg bw	> 5.10 mg/L
Zirconium	5000 mg/kg bw	-	>4.3 mg/L
Chromium	> 3400 mg/kg bw	-	> 5.41 mg/L
Niobium	> 10,000 mg/kg bw	> 2000 mg/kg bw	-
Tin	> 2000 mg/kg bw	> 2000 mg/kg bw	> 4.75 mg/L
Aluminium	15,900 mg/kg bw	-	> 1 mg/L
Silicon	> 5000 mg/kg bw	> 5000 mg/kg bw	> 2.08 mg/L

Information on toxicological effects

**Symptoms** None known.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Acute toxicity** Product not classified. Skin corrosion/irritation Product not classified. Serious eye damage/eye irritation Product not classified.

Sensitisation Product not classified.

Germ cell mutagenicity Product not classified.

Product not classified. Carcinogenicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Chromium		Group 3		
7440-47-3		-		

Reproductive toxicity Product not classified.

STOT - single exposure Product not classified.

STOT - repeated exposure Product not classified.

Product not classified. **Aspiration hazard** 

# Section 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

	Section 12. ECOEOGICAL IN ORMATION			
12.1. Toxicity  This product as shipped is not classified for aquatic toxicity				
This product as shipped is not	classified for aquatic toxicit	ty		
	·	116	7	
Chemical Name	Algae/aquatic plants	Fish	Toxicity to Micro-organisms	Crustacea
Titanium	The 72 h EC50 of titanium dioxide to Pseudokirchnerella subcapitata was 61 mg of TiO2/L.	The 96 h LC50 of titanium dioxide to Cyprinodon variegatus was greater than 10,000 mg of TiO2/L. The 96 h LC50 of titanium dioxide to Pimephales promelas was greater than 1,000 mg of TiO2/L.	The 3 h EC50 of titanium dioxide for activated sludge were greater than 1000 mg/L.	The 48 h EC50 of titanium dioxide to Daphnia Magna was greater than 1000 mg of TiO2/L.
Vanadium	The 72 h EC50 of vanadium pentoxide to Desmodesmus subspicatus was 2,907 ug of V/L.	The 96 h LC50 of vanadium pentoxide to Pimephales promelas was 1,850 ug of V/L .	The 3 h EC50 of sodium metavanadate for activated sludge was greater than 100 mg/L.	The 48 h EC50 of sodium vanadate to Daphnia magna was 2,661 ug of V/L.
Molybdenum	The 72 h EC50 of sodium molybdate dihydrate to Pseudokirchneriella subcapitata was 362.9 mg of Mo/L.	The 96 h LC50 of sodium molybdate dihydrate to Pimephales promelas was 644.2 mg/L	The 3 h EC50 of molybdenum trioxide for activated sludge was 820 mg/L.	The 48 h LC50 of sodium molybdate dihydrate to Ceriodaphnia dubia was 1,015 mg/L. The 48 h LC50 of sodium molybdate dihydrate to Daphnia magna was greater than 1,727.8 mg/L.
Zirconium	The 14 d NOEC of zirconium dichloride oxide to Chlorella vulgaris was greater than 102.5 mg of Zr/L.	The 96 h LL50 of zirconium to Danio rerio was greater than 74.03 mg/L.	-	The 48 h EC50 of zirconium dioxide to Daphnia magna was greater than 74.03 mg of Zr/L.
Chromium	-	-	-	-
Niobium	-	-		-

Tin	The 72 h EC50 of tin chloride pentahydrate to Pseudokirchnerella subcapitata was 9,846 ug of Sn/L	The 7 d LOEC of tin chloride pentahydrate to Pimephales promelas was 827.9 ug of Sn/L	-	The 7 d LC50 of tin chloride pentahydrate to Ceriodaphnia dubia was greater than 3,200 ug of Sn/L.
Aluminium	The 96-h EC50 values for reduction of biomass of Pseudokirchneriella subcapitata in AAP-Medium at pH 6, 7, and 8 were estimated as 20.1, 5.4, and 150.6 µg/L, respectively, for dissolved AI.	The 96 h LC50 of aluminum to Oncorhynchus mykiss was 7.4 mg of Al/L at pH 6.5 and 14.6 mg of Al/L at pH 7.5	-	The 48-hr LC50 for Ceriodaphnia dubia exposed to Aluminium chloride increased from 0.72 to greater than 99.6 mg/L with water hardness increasing from 25 to 200 mg/L.
Silicon	The 72 h EC50 of sodium metasilicate pentahydrate to Pseudokirchnerella subcapitata was greater than 250 mg/L.	-	-	-

#### 12.2. Persistence and degradability

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12.3. Bioaccumulative potential

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12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

The PBT and vPvB criteria do not apply to inorganic substances.

12.6. Other adverse effects

# **Section 13: DISPOSAL CONSIDERATIONS**

#### 13.1. Waste treatment methods

Waste from residues/unused

products

Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging

None anticipated.

# **Section 14: TRANSPORT INFORMATION**

**IMDG** 

14.1 UN/ID noNot regulated14.2 Proper shipping nameNot regulated14.3 Hazard ClassNot regulated14.4 Packing GroupNot regulated14.5 Marine pollutantNot applicable

14.6 Special Provisions None

14.7 Transport in bulk according to Not applicable

Annex II of MARPOL 73/78 and the

**IBC Code** 

RID

14.1 UN/ID no Not regulated
14.2 Proper shipping name Not regulated

14.3 Hazard Class 14.4 Packing Group 14.5 Environmental hazard 14.6 Special Provisions	Not regulated Not regulated Not applicable None
ADR 14.1 UN/ID no 14.2 Proper shipping name 14.3 Hazard Class 14.4 Packing Group 14.5 Environmental hazard 14.6 Special Provisions	Not regulated Not regulated Not regulated Not regulated Not applicable None

# ICAO (air)

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not applicable
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

#### IATA

IAIA	
14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
Description	Not applicable
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

# Section 15: REGULATORY INFORMATION

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

Chemical Name	French RG number	Title
Titanium 7440-32-6	-	30/5
Vanadium 7440-62-2	RG 66	
Molybdenum 7439-98-7	-	
Zirconium 7440-67-7	-	-
Chromium 7440-47-3	RG 10	-
Niobium 7440-03-1	-	-
Tin 7440-31-5	-	-
Aluminium 7429-90-5	RG 32 RG 16,RG 16bis	-
Silicon 7440-21-3	-	-

#### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

# Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

#### **International Inventories**

DSL/NDSL Complies
EINECS/ELINCS Complies
ENCS Complies
IECSC Complies
KECL Complies
PICCS Complies
AICS Complies

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

#### 15.2. Chemical safety assessment

No chemical safety assessment has been performed for this product.

# **Section 16: OTHER INFORMATION**

Issue Date 28-May-2015

Revision Date 21-Nov-2016

Revision Note SDS sections updated: 6, 7.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

#### Note:

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**