

Gradus Grip WGA120

(sheet 1 of 9) 04.08.16

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name** – Gradus Grip WGA120**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** – Adhesive.

Uses advised against – No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

GRADUS Limited
Park Green
Macclesfield
Cheshire
SK11 7LZ

Tel: +44(0)1625 428922

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Physical hazards** - Not Classified**Health hazards** - Not Classified**Environmental hazards** - Not Classified**2.2. Label elements****Hazard statements** - NC Not Classified

Precautionary statements - P201 Obtain special instructions before use. P501 Dispose of contents/container in accordance with national regulations. Treated article incorporates biocidal product<0.1. active ingredient: tetrahydro-1,3,4,6-tetrakis(hydroxymethyl imidazo[4,5-d]imidazole-2,5(1H,3H)-dione reaction mass of: 5-chloro-2-methyl-4-ios-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one(3:1) - May produce an allergic reaction.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

Gradus Grip WGA120

(sheet 2 of 9) 04.08.16

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSENE - UNSPECIFIED		<1%
CAS number: 64742-47-8		EC number: 265-149-8
Classification Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn;R65.	

ALCOHOL ETHOXYLATE		<1%
CAS number: 69011-36-5		
Classification Eye Dam. 1 - H318 Acute Tox. 4 - H302	Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R41.	

AMIDES, C16-18 AND C18 UNSATD N,N, BIS (HYDROXYETHYL)		<1%
CAS number: 68603-38-3		
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xi;R38,R41.	

TETRAHYDRO-1,3,4,6-TETRAKIS(HYDROXYMETHYL)IMIDAZO[4,5-d]IMIDAZOLE-2,5(1H,3H)-DIONE		<1%
CAS number: 5395-50-6		
Classification Skin Sens. 1 - H317	Classification (67/548/EEC or 1999/45/EC) R43.	

reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one-and 2-methyl-2H-isothiazol-3-one		<1%
CAS number: -		
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 2 - H330 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) T;R23/24/25. C;R34. N;R50/53. R43.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Gradus Grip WGA120

(sheet 3 of 9) 04.08.16

SECTION 4: First aid measures**4.1. Description of first aid measures**

General information - Remove affected person from source of contamination.

Inhalation - Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion - DO NOT induce vomiting. Get medical attention immediately.

Skin contact - Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact - Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

Inhalation - No specific symptoms known.

Ingestion - May cause discomfort if swallowed.

Skin contact - Prolonged skin contact may cause redness and irritation.

Eye contact - No specific symptoms known.

4.3. Indication of any immediate medical attention and special treatment needed**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media - Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media - Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards - Not known.

Hazardous combustion products - Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

5.3. Advice for firefighters

Protective actions during firefighting - Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material.

Special protective equipment for firefighters - Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

Gradus Grip WGA120

(sheet 4 of 9) 04.08.16

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions - Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions - Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up - Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections - Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Usage precautions - No specific recommendations.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions - Store in closed original container at temperatures between 5°C and 25°C.

Storage class - Unspecified storage.

7.3. Specific end use(s)

Specific end use(s) - The identified uses for this product are detailed in Section 1.2.

Gradus Grip WGA120

(sheet 5 of 9) 04.08.16

SECTION 8: Exposure Controls/personal protection**8.1. Control parameters****Occupational exposure limits****DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSENE - UNSPECIFIED**

Long-term exposure limit (8-hour TWA): WEL 1000 mg/m³
WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Appropriate engineering controls - Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection - Wear chemical splash goggles.

Hand protection - It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

Other skin and body protection - Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.

Hygiene measures - Use engineering controls to reduce air contamination to permissible exposure level. Wash hands after handling. When using do not eat, drink or smoke.

Respiratory protection - Not relevant.

Environmental exposure controls - Keep container tightly sealed when not in use.

Gradus Grip WGA120

(sheet 6 of 9) 04.08.16

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Coloured liquid
Colour	White/off-white
Odour	Characteristic
Odour threshold	Not available
pH	Not available
Melting point	Not available
Initial boiling point and range	Not available
Flash point	Technically not feasible
Evaporation rate	Not available
Evaporation factor	Not available
Flammability (solid, gas)	Not available
Other flammability	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1.5
Bulk density	Not available
Solubility(ies)	Soluble in water
Partition coefficient	Not available
Decomposition Temperature	Not available
Explosive properties	Not available
Explosive under the influence of a flame	Not considered to be explosive
Oxidising properties	Not available

Comments - Information given is applicable to the product as supplied.

9.2. Other information

Other information	No information required
Refractive index	Not available
Particle size	Not available
Molecular weight	Not available
Volatility	Not available
Saturation concentration	Not available
Critical temperature	Not available

Gradus Grip WGA120

(sheet 7 of 9) 04.08.16

SECTION 10: Stability and reactivity**10.1. Reactivity**

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Not applicable. Not relevant.

10.4. Conditions to avoid

Avoid freezing.

10.5. Incompatible materials**10.6. Hazardous decomposition products**

Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicological information on ingredients**

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED

Serious eye damage/irritation - Slightly irritating

SECTION 12: Ecological Information**Ecological information on ingredients**

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED

Ecotoxicity

The product is not expected to be hazardous to the environment.

12.1. Toxicity

Ecological information on ingredients

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED

Acute toxicity - fish

LC₅₀, 96 hours: >1000 mg/l, Fish

Acute toxicity – aquatic invertebrates

EC₅₀, 48 hours: >250 mg/l, Daphnia magna

Acute toxicity – aquatic plants

IC₅₀, 72 hours: >20 mg/l, Algae

reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one-and 2-methyl-2H-isothiazol-3-one

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Chronic aquatic toxicity

M factor (Chronic) 1

Gradus Grip WGA120

(sheet 8 of 9) 04.08.16

12.2. Persistence and degradability

Ecological information on ingredients

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED**Persistence and degradability** - The product is biodegradable but it must not be discharged into drains without permission from the authorities.**12.3. Bioaccumulative potential****Partition coefficient** - Not available.

Ecological information on ingredients

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED**Bioaccumulative potential** - The product is not bioaccumulating.**12.4. Mobility in soil**

Ecological information on ingredients

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED**Mobility** - Mobile. The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.**12.5. Results of PBT and vPvB assessment**

Ecological information on ingredients

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED**Results of PBT and vPvB assessment** - This product does not contain any substances classified as PBT or vPvB.**12.6. Other adverse effects**

Ecological information on ingredients

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED**Other adverse effects** - None known.**SECTION 13: Disposal considerations****13.1. Waste treatment methods****General information** - Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.**Disposal methods** - Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Gradus Grip WGA120

(sheet 9 of 9) 04.08.16

SECTION 14: Transport information

General - The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant - No.

14.6. Special precautions for user

Not applicable.

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

Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	Compliance
Revision date	01/06/2015
Revision	20
Risk phrases in full	Not classified
	R65 Harmful: may cause lung damage if swallowed
Hazard statements in full	H301 Toxic if swallowed
	H302 Harmful if swallowed
	H304 May be fatal if swallowed and enters airways
	H311 Toxic in contact with skin
	H314 Causes severe skin burns and eye damage
	H315 Causes skin irritation
	H317 May cause an allergic skin reaction
	H318 Causes serious eye damage
	H330 Fatal if inhaled
	H400 Very toxic to aquatic life
	H410 Very toxic to aquatic life with long lasting effects
Store Between	5°C - 25°C
Contains SVHC	NO