# SAFETY DATA SHEET





### **Jotun Thinner No. 21**

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name : Jotun Thinner No. 21

EC number : Not available.

CAS number : Not available.

Code: 17120Product description: Thinner.Product type: Liquid.Other means of: Not available.

identification

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

#### **Identified uses**

Use in coatings - Industrial use
Use in coatings - Professional use

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

Manufacturer : Jotun Australia

9 Cawley Road Brooklyn 3012 Australia

Telephone + 61 39314 0722 Fax + 61 39314 0423

SDSJotun@jotun.com

Supplier : APCO Coatings (NZ) Ltd

1/20A Arwen Place,

East Tamaki,

Auckland 2013, New Zealand

Phone +64 800 289 2726

### 1.3 Emergency telephone number

**Emergency telephone** :

number

: Medical Emergencies 24 hours:

Poisons Information Centre (New Zealand) 0800 764 766

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### Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

HSNO Classification : 3.1 - FLAMMABLE LIQUIDS - Category D

9.1 - AQUATIC ECOTOXICITY - Category B

2.2 Label elements

Hazard pictograms



Signal word : Warning.

Hazard statements : Combustible liquid.

Toxic to aquatic life with long lasting effects.

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### Section 2. Hazards identification

### **Precautionary statements**

**Prevention** : Wear protective gloves. Wear eye or face protection. Keep away from flames and

hot surfaces. Avoid release to the environment.

: Collect spillage. Response

: Store in a cool/well-ventilated place. **Storage** 

**Disposal** : Dispose of contents and container in accordance with all local, regional, national

and international regulations.

Other hazards which do not : None known.

result in classification

This material is classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 and has been classified according to the Hazardous Substances (Classifications) Regulations 2001.

This material is classified as DANGEROUS GOODS according to criteria in New Zealand Standard 5433:2012 Transport of Dangerous Goods on Land.

### Section 3. Composition/information on ingredients

: Substance Substance/mixture : Not available. Other means of

identification

**CAS** number/other identifiers

CAS number : Not available. : Not available. **EC** number

Ingredient name	% (w/w)	CAS number
ydrocarbons, C10, aromatics, <1% naphthalene	100	64742-94-5

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### **Description of necessary first aid measures**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion

Inhalation

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin contact** 

: Mush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Eye contact** 

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

#### Most important symptoms/effects, acute and delayed

Potential acute health effects

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### Section 4. First aid measures

Inhalation: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Eye contact: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation: No specific data.Ingestion: No specific data.Skin: No specific data.Eyes: No specific data.

#### Indication of immediate medical attention and special treatment needed, if necessary

**Specific treatments**: Not available.

Notes to physician : No specific treatment. Treat symptomatically. Contact poison treatment specialist

immediately if large quantities have been ingested or inhaled.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It

may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

### Section 5. Firefighting measures

### **Extinguishing media**

**Suitable** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

Not suitable : Do not use water jet.

Specific hazards arising from the chemical

: Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products

: Decomposition products may include the following materials:

carbon dioxide carbon monoxide

Hazchem code

•3Z

Special precautions for firefighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

**Environmental precautions** 

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

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

**Small spill** 

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

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### Section 6. Accidental release measures

Large spill

: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

# Precautions for safe handling

: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

See Technical Data Sheet / packaging for further information.

# Section 8. Exposure controls/personal protection

#### **Control parameters**

**Occupational exposure limits** 

None.

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** 

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

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### Section 8. Exposure controls/personal protection

### **Respiratory protection**

: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

#### **Hand protection**

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Wear suitable gloves tested to EN374.

Recommended, gloves(breakthrough time) > 8 hours: nitrile rubber, neoprene, butyl rubber, fluor rubber, Viton®

#### **Eye protection**

: Safety eyewear complying to EN 166 should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields.

### **Skin protection**

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### **Respiratory protection**

: If workers are exposed to concentrations above the exposure limit, they must use a respirator according to EN 140. Use respiratory mask with charcoal and dust filter when spraying this product, according to EN 14387(as filter combination A2-P2). In confined spaces, use compressed-air or fresh-air respiratory equipment. When use of roller or brush, consider use of charcoalfilter.

### Section 9. Physical and chemical properties

### **Appearance**

Physical state : Liquid.
Colour : Clear.

Odour : Characteristic.
Odour threshold : Not available.
pH : Not applicable.
Melting point : Not available.

**Boiling point** : Lowest known value: 146 to 299°C (294.8 to 570.2°F)(hydrocarbons, C10,

aromatics, <1% naphthalene).

Flash point : Closed cup: 62°C (143.6°F)

Burning rate : Not applicable.

Burning time : Not applicable.

Evaporation rate : Not available.

Flammability (solid, gas) : Not available.

Upper/lower flammability or

explosive limits

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### Section 9. Physical and chemical properties

Highest known value: 0.003 kPa (0.02 mm Hg) (at 20°C) (hydrocarbons, C10, Vapour pressure

aromatics, <1% naphthalene).

Vapour density Not available. Relative density Not available. : 0.9 g/cm<sup>3</sup> **Density** 

**Solubility** : Insoluble in the following materials: cold water and hot water.

Solubility in water : Not available. Partition coefficient: n-

octanol/water

: Not available.

: Lowest known value: 220 to 250°C (428 to 482°F) (hydrocarbons, C10, aromatics, Auto-ignition temperature

<1% naphthalene).

**Decomposition temperature** : Not available. SADT : Not available.

: Kinematic (40°C): >0.205 cm<sup>2</sup>/s (>20.5 mm<sup>2</sup>/s) **Viscosity** 

**Aerosol product** 

Type of aerosol : Not applicable. : Not available. **Heat of combustion Ignition distance** : Not applicable. : Not applicable. **Enclosed space ignition -**

Time equivalent

**Enclosed space ignition -**

**Deflagration density** 

: Not applicable.

: Not applicable. Flame height Flame duration : Not applicable.

### Section 10. Stability and reactivity

**Chemical stability** : The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld,

braze, solder, drill, grind or expose containers to heat or sources of ignition.

: Keep away from the following materials to prevent strong exothermic reactions: Incompatible materials

oxidising agents, strong alkalis, strong acids.

**Hazardous decomposition** 

products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological information

#### Information on likely routes of exposure

Inhalation : No known significant effects or critical hazards. Ingestion : No known significant effects or critical hazards. : No known significant effects or critical hazards. Skin contact Eye contact : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics Inhalation : No specific data.

Ingestion : No specific data. **Skin contact** : No specific data. : No specific data. **Eye contact** 

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

### **Acute toxicity**

Not available.

#### Irritation/Corrosion

Not available.

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### **Section 11. Toxicological information**

#### **Sensitisation**

Not available.

### Potential chronic health effects

**General** : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

: No known significant effects or critical hazards. **Skin contact** 

: No known significant effects or critical hazards. **Eye contact** 

: No known significant effects or critical hazards. Carcinogenicity

: No known significant effects or critical hazards. Mutagenicity

: No known significant effects or critical hazards.

**Teratogenicity** 

**Developmental effects** : No known significant effects or critical hazards.

: No known significant effects or critical hazards.

**Fertility effects Chronic toxicity** 

Not available.

### Carcinogenicity

Not available.

#### Mutagenicity

Not available.

### **Teratogenicity**

Not available.

### Reproductive toxicity

Not available.

### Specific target organ toxicity

Not available.

### **Aspiration hazard**

### **Name**

hydrocarbons, C10, aromatics, <1% naphthalene

### **Numerical measures of toxicity**

**Acute toxicity estimates** 

Not available.

# **Section 12. Ecological information**

### **Ecotoxicity**

: Water polluting material. May be harmful to the environment if released in large quantities. This material is toxic to aquatic life with long lasting effects.

### Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
ydrocarbons, C10, aromatics, <1% naphthalene	Acute EC50 <10 mg/l	Daphnia	48 hours
	Acute IC50 <10 mg/l Acute LC50 <10 mg/l	Algae Fish	72 hours 96 hours

### Persistence/degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
rydrocarbons, C10, aromatics, <1% naphthalene	-	-	Not readily

### **Bioaccumulative potential**

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# Section 12. Ecological information

Product/ingredient name	LogPow	BCF	Potential
rydrocarbons, C10, aromatics, <1% naphthalene	2.8 to 6.5	99 to 5780	high

**Mobility in soil** 

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects : No known significant effects or critical hazards.

# Section 13. Disposal considerations

**Disposal methods** 

: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Do not allow to enter drains or watercourses. Material and/or container must be disposed of as hazardous waste.

### **Section 14. Transport information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
New Zealand Class	<b>₩</b> N3082	Environmentally hazardous substance, liquid, n.o.s. (hydrocarbons, C10, aromatics, <1% naphthalene)	9	III	WIEGLIANDER ON ORDER OF THE PROPERTY OF THE PR	₩azchem code •3Z
ADG Class	₩N3082	Environmentally hazardous substance, liquid, n.o.s. (hydrocarbons, C10, aromatics, <1% naphthalene)	9	III	***************************************	The product is not regulated as a dangerous good when transported by road or rail in either an IBC, or in other container types if ≤500 kg. This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.  Hazchem code •3Z
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# **Section 14. Transport information**

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UN Class	<b>₩</b> N3082	Environmentally hazardous substance, liquid, n.o.s. (hydrocarbons, C10, aromatics, <1% naphthalene)	9	III	¥2	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
ADR/RID Class	<b>⊮</b> N3082	Environmentally hazardous substance, liquid, n.o.s. (hydrocarbons, C10, aromatics, <1% naphthalene)	9	III	¥2>	Fhis product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.  Hazard identification number 90  Tunnel code (-)
IATA Class	<b>₩</b> N3082	Environmentally hazardous substance, liquid, n.o.s. (hydrocarbons, C10, aromatics, <1% naphthalene)	9	III	***************************************	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.
IMDG Class	<b>⊌</b> N3082	Environmentally hazardous substance, liquid, n.o.s. (hydrocarbons, C10, aromatics, <1% naphthalene)	9	III	¥2>	Fhis product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.  Emergency schedules F-A, S-F

PG\* : Packing group

Marine pollutant substances

: hydrocarbons, C10, aromatics, <1% naphthalene

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in accordance with ADR/RID, IMDG/IMO and ICAO/IATA and national regulation.

This product is not regulated as a dangerous good when transported in sizes of  $\leq$ 5 L or  $\leq$ 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

Marking

: The environmental hazardous / marine pollutant mark is only applicable for packages containing more than 5 litres for liquids and 5 kg for solids.

ADR / RID : IMDG :

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### Section 15. Regulatory information

### **National regulations**

**Standard Uniform Schedule of Medicine and Poisons** 

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**Control of Scheduled Carcinogenic Substances** 

Ingredient name Schedule

No listed substance

New Zealand Inventory of

Chemicals (NZIoC)

: All ingredients are listed on (AICS/NZOIC) or exempt

Australia inventory (AICS)

: All ingredients are listed on (AICS/NZOIC) or exempt

**HSNO Classification** 

3.1 - FLAMMABLE LIQUIDS - Category D
 9.1 - AQUATIC ECOTOXICITY - Category B

**HSNO Group Standard HSNO Approval Number** 

Not available.Not applicable

**Approved Handlers** 

Certificate

: Approved Handlers certificate is exempt.

**Toxic substances schedule** 

(NZ)

: 1 - FLAMMABLE LIQUIDS - Category D 9.1 - AQUATIC ECOTOXICITY - Category B

Safety, health and environmental regulations specific for the product : No known specific national and/or regional regulations applicable to this product

(including its ingredients).

### Section 16. Other information

### **Notice to reader**

**History** 

Date of printing : 14.01.2021

Date of issue/Date of : 14.01.2021

revision

Date of previous issue : 28.05.2018 Version : 1.04

**✓** Indicates information that has changed from previously issued version.

#### **Disclaimer**

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.

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