



# Penguard Express CF SV Comp A

(In accordance with Article 41, Paragraph 1, of Industrial Safety and Health Act)

# Section 1. Chemical product and company identification

A. Product name : Penguard Express CF SV Comp A

Label No. : 33903

Product description : Paint.

Product type : Liquid.

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

#### **Identified uses**

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

C. Supplier/Manufacturer : Chokwang Jotun Ltd.

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South Korea

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**Emergency telephone** 

number

: H.G.LEE Chokwang Jotun Ltd.

Tel: +82 51 797 6000

# Section 2. Hazards identification

A. Hazard classification : FLAMMABLE LIQUIDS - Category 3

SKIN CORROSION/IRRITATION - Category 2

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1

SKIN SENSITISATION - Category 1

LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

B. GHS label elements, including precautionary statements

Symbol :







Signal word : Danger.

**Hazard statements** : Flammable liquid and vapour.

Causes serious eye damage.

Causes skin irritation.

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

**Precautionary statements** 

**Prevention**: Wear protective gloves. Wear eye or face protection. Keep away from heat, hot

surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Avoid release to the environment. Avoid breathing spray. Wash hands thoroughly after handling. Contaminated work clothing should

not be allowed out of the workplace.

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# Section 2. Hazards identification

Response

: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Storage

: Store in a well-ventilated place. Keep cool.

**Disposal** 

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

C. Other hazards which do : None known.

not result in classification

# Section 3. Composition/information on ingredients

Substance/mixture

Other means of identification

: Not available.

: Mixture

#### CAS number/other identifiers

**CAS** number : Not applicable.

**EC** number : Mixture. **Product code** : 33903

Ingredient name	Synonyms	CAS number	%
epoxy resin (MW ≤ 700)	epoxy resin (MW ≤ 700)	1675-54-3	20-30
titanium dioxide	titanium dioxide	13463-67-7	10-20
xylene	xylene	1330-20-7	2.5-10
butan-1-ol	butan-1-ol	71-36-3	2.5-10
benzyl alcohol	benzyl alcohol	100-51-6	1-2.5
ethylbenzene	ethylbenzene	100-41-4	1-2.5
hydrocarbons, c9-unsatd., polymd.	hydrocarbons,	71302-83-5	1-2.5
	C9-unsaturated,		
	polymerized		

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

A. Eye contact

: Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician.

B. Skin contact

: Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

C. Inhalation

: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie,

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## Section 4. First aid measures

## D. Ingestion

belt or waistband.

- : Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician. 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.
- E. Notes to physician
- : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments
Protection of first-aiders

- : No specific treatment.
- : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

# Section 5. Firefighting measures

A. Extinguishing media

Suitable extinguishing

media

Unsuitable extinguishing media

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

- : Do not use water jet.
- B. Specific hazards arising from the chemical
- : Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful 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 dioxide carbon monoxide metal oxide/oxides

- C. 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.

Special precautions for fire-fighters

: 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.

# Section 6. Accidental release measures

- A. 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. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- B. 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.
- C. Methods and material for containment and cleaning up

# Section 6. Accidental release measures

### **Small spill**

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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. Dispose of via a licensed waste disposal contractor.

#### Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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). 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

## A. Precautions for safe handling

**Protective measures** 

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. 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. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

- 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. See also Section 8 for additional information on hygiene measures.
- B. 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. Store locked up. 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.

# Section 8. Exposure controls/personal protection

#### A. Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
xylene	Ministry of Employment and Labor
	(Republic of Korea, 7/2018).
	STEL: 150 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
butan-1-ol	Ministry of Employment and Labor
	(Republic of Korea, 7/2018). Absorbed
	through skin.
	TWA: 20 ppm 8 hours.
ethylbenzene	Ministry of Employment and Labor
•	(Republic of Korea, 7/2018).
	STEL: 125 ppm 15 minutes.

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# Section 8. Exposure controls/personal protection

TWA: 100 ppm 8 hours.

B. 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.

## C. Personal protective equipment

**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.

**Eye protection Hand protection** 

- : Use safety eyewear designed to protect against splash of liquids.
- : 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.

Not recommended, gloves(breakthrough time) < 1 hour: PE

May be used, gloves(breakthrough time) 4 - 8 hours: neoprene, Barricade, CPF 3, Responder, butyl rubber, nitrile rubber, PVC

Recommended, gloves(breakthrough time) > 8 hours: Teflon, Viton®, 4H, polyvinyl alcohol (PVA)

For right choice of glove materials, with focus on chemical resistance and time of penetration, seek advice by the supplier of chemical resistant gloves.

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

**Body 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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

**Skin protection** 

: Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.

**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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

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# Section 9. Physical and chemical properties

A. Appearance

**Physical state** : Liquid. Colour Various

B. Odour Characteristic. C. Odour threshold Not available. D. pH : Not applicable. E. Melting/freezing point : Not applicable.

F. Boiling point/boiling

range

: Lowest known value: 119°C (246.2°F) (butan-1-ol). Weighted average: 231.08°C

(447.9°F)

G. Flash point : Closed cup: 29°C (84.2°F)

**Burning time** : Not applicable. Not applicable. **Burning rate** 

: Highest known value: 0.84 (ethylbenzene) Weighted average: 0.58compared with H. Evaporation rate

butyl acetate

Flammability (solid, gas) : Not available. : 0.8 - 13%

J. Lower and upper explosive (flammable)

limits

: Highest known value: 1.2 kPa (9.3 mm Hg) (at 20°C) (ethylbenzene). Weighted K. Vapour pressure

average: 0.31 kPa (2.33 mm Hg) (at 20°C)

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

Solubility in water : Not available.

M. Vapour density : Highest known value: 11.7 (Air = 1) (epoxy resin (MW ≤ 700)). Weighted average:

: Lowest known value: 355°C (671°F) (butan-1-ol).

8.33 (Air = 1)

N. Relative density 1.648 to 1.654 g/cm<sup>3</sup>

O. Partition coefficient: n-

octanol/water

: Not available.

P. Auto-ignition temperature

Q. Decomposition temperature

: Not available.

**SADT** : Not available. R. Viscosity : Not available. S. Molecular weight : Not applicable.

# Section 10. Stability and reactivity

A. Chemical stability The product is stable.

Possibility of hazardous reactions

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

B. 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.

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

oxidising agents, strong alkalis, strong acids.

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

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# **Section 11. Toxicological information**

A. Information on likely routes of exposure

: Not available.

## Potential acute health effects

Inhalation : No known significant effects or critical hazards.Ingestion : No known significant effects or critical hazards.

**Skin contact**: Causes skin irritation. May cause an allergic skin reaction.

**Eye contact** : Causes serious eye damage.

### **Over-exposure signs/symptoms**

Inhalation : No specific data.

**Ingestion**: Adverse symptoms may include the following:

stomach pains

**Skin contact** : Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

**Eye contact**: Adverse symptoms may include the following:

watering redness

## B. Health hazards

## **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
epoxy resin (MW ≤ 700)	LD50 Dermal	Rabbit	20 g/kg	-
	LD50 Oral	Mouse	15600 mg/kg	-
xylene	LC50 Inhalation Vapour	Rat	20 mg/l	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
	TDLo Dermal	Rabbit	4300 mg/kg	-
butan-1-ol	LD50 Oral	Rat	790 mg/kg	-
benzyl alcohol	LD50 Oral	Rat	1230 mg/kg	-
ethylbenzene	LC50 Inhalation Gas.	Rabbit	4000 ppm	4 hours
·	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-

## **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
epoxy resin (MW ≤ 700)	Eyes - Severe irritant	Rabbit	-	24 hours 2	-
	Skin - Mild irritant	Rabbit	-	mg 500 mg	-

### **Sensitisation**

Not available.

### **Mutagenicity**

Not available.

## **Carcinogenicity**

Not available.

#### Reproductive toxicity

Not available.

## **Teratogenicity**

Not available.

Specific target organ toxicity (single exposure)

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# Section 11. Toxicological information

Name	Category	Route of exposure	Target organs
xylene	Category 3	Not applicable.	Respiratory tract irritation
butan-1-ol	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects

## Specific target organ toxicity (repeated exposure)

Name		Route of exposure	Target organs
ethylbenzene	Category 2	Not determined	hearing organs

### **Aspiration hazard**

Name	Result
	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

### Potential chronic health effects

## **Chronic toxicity**

Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed

to very low levels.

Carcinogenicity
 No known significant effects or critical hazards.
 Mutagenicity
 No known significant effects or critical hazards.
 Teratogenicity
 No known significant effects or critical hazards.
 Developmental effects
 No known significant effects or critical hazards.
 Fertility effects
 No known significant effects or critical hazards.

### **ATE value**

Route	Result
Dermal	9734.4 mg/kg 16387.3 mg/kg 96.07 mg/l

# Section 12. Ecological information

## A. Aquatic and terrestrial toxicity

**Ecotoxicity**: This material is harmful to aquatic life with long lasting effects.

Product/ingredient name	Result	Species	Exposure
epoxy resin (MW ≤ 700)	Acute EC50 1.4 mg/l	Daphnia	48 hours
	Acute LC50 3.1 mg/l	Fish - pimephales promelas	96 hours
	Chronic NOEC 0.3 mg/l	Fish	21 days
ethylbenzene	Acute EC50 7.2 mg/l	Algae	48 hours
	Acute EC50 2.93 mg/l	Daphnia	48 hours
	Acute LC50 4.2 mg/l	Fish	96 hours

## B. Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
epoxy resin (MW ≤ 700)	-	-	Not readily
xylene	-	-	Readily
benzyl alcohol	-	-	Readily
ethylbenzene	-	-	Readily

## C. Bioaccumulative potential

# **Section 12. Ecological information**

Product/ingredient name	LogPow	BCF	Potential
epoxy resin (MW ≤ 700) xylene butan-1-ol benzyl alcohol ethylbenzene hydrocarbons, C9-unsaturated, polymerized	2.64 to 3.78 3.12 1 0.87 3.6 3.627	8.1 to 25.9 - <100 -	low low low low low

D. Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

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

# Section 13. Disposal considerations

- A. 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.
- **B.** Disposal precautions
- : 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.

# **Section 14. Transport information**

	UN	IMDG	IATA
A. UN number	UN1263	UN1263	UN1263
B. UN proper shipping name	Paint	Paint	Paint
C. Transport hazard class(es)	3	3	3
D. Packing group	III	III	III
E. Environmental hazards	No.	No.	No.
F. Additional information	Tunnel restriction code: (D/E) Hazard identification number: 30	Emergency schedules F-E, S-E	-

Special precautions for user

: **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.

# Section 14. Transport information

IMDG: Viscous substance. Transport in accordance with paragraph 2.3.2.5 (applicable to receptacles < 30 litre capacity).

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

# Section 15. Regulatory information

A. Regulation according to ISHA

ISHA article 37 (Harmful : None of the components are listed.

substances prohibited

from manufacture)

ISHA article 38 (Harmful

substances requiring permission)

: None of the components are listed.

B. Regulation according to AREC & CCA

**AREC Toxic chemicals** 

**AREC Article 32** 

: Not applicable

(Banned)

: None of the components are listed.

**AREC Article 32** (Restricted)

: None of the components are listed.

**AREC Article 17 (TRI)** : The following components are listed: Xylene; Ethylbenzene

**Korea inventory** : Not determined.

C. Dangerous Materials

: Class: Class 4 - Flammable Liquid

Item: 4. Class 2 petroleums - Water-insoluble liquid **Safety Management Act** 

> Threshold: 1000 L Danger category: III

Signal word: Contact with sources of ignition prohibited

D. Wastes regulation

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

and international regulations.

E. Regulation according to other foreign laws

**Europe inventory** 

: At least one component is not listed.

**United States inventory** 

(TSCA 8b)

: Not determined.

Japan inventory

: Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.

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

A. References : Not available. B. Date of issue/Date of : 11.07.2019

revision

C. Version : 2

> : 11.07.2019 **Date of printing**

D. Other

Indicates information that has changed from previously issued version.

: ATE = Acute Toxicity Estimate Key to abbreviations

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships,

# Section 16. Other information

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations

## **Notice to reader**

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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