

**SAFETY DATA SHEET**

According to REACH Regulation (EC) No  
1907/2006, as amended by UK REACH  
Regulations SI 2019/758



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**LUMOR J(HF) (25 L) GB**

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name : LUMOR J(HF) (25 L) GB

Product code : 00000000050836569

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

Use of the : Nondestructive Testing  
Substance/Mixture

Recommended restrictions : Uses other than recommended  
on use

**1.3 Details of the supplier of the safety data sheet****Company:**

Chemetall Ltd.  
Napier House, Auckland Park  
MK1 1BU Bletchley, Milton Keynes  
Great Britain

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According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

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+44 1908 649333  
sds.global-chemetall@basf.com

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Telephone: +44 1908 649333  
E-mail address: sds.global-chemetall@basf.com

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### 1.4 Emergency telephone

International emergency number:  
Telephone: +49 180 2273-112

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Aspiration hazard, Category 1

H304: May be fatal if swallowed and enters airways.

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According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836 569	Date of first issue: 25.07.2022

## 2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :

Signal Word : Danger

Hazard Statements : H304 May be fatal if swallowed and enters airways.

**Precautionary Statements** : **Response:**  
P301 + P310 IF SWALLOWED: Immediately call a  
POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

## Storage:

P405

### Disposal:

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According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836 569	Date of first issue: 25.07.2022

approved waste disposal plant.

Hazardous ingredients which must be listed on the label:

Distillates (petroleum), hydro- treated light; Kerosine — unspecified

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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

## 3.2 Mixtures

Chemical nature : organic compounds  
polymers  
pigment

## Components

Chemical name	CAS-No.	Classification	Concentratio
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According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836 569	Date of first issue: 25.07.2022

	EC-No. Index-No.		n (% w/w)
Distillates (petroleum), hydro-treated light; Kerosine — unspecified	64742-47-8 265-149-8 649-422-00-2 01-2119453414-43	Asp. Tox. 1; H304	>= 75 - <= 100

For explanation of abbreviations see section 16.

## **SECTION 4: First aid measures**

#### 4.1 Description of first-aid measures

General advice : First aid personnel should pay attention to their own safety.

Immediately remove contaminated clothing.

In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.

Symptoms of poisoning may occur even after several

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According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836 569	Date of first issue: 25.07.2022

hours, continue medical observation for at least 48 hours after the accident.

Never give anything by mouth to an unconscious person.  
Keep patient warm and at rest.

If inhaled : If breathed in, move person into fresh air.

Call a physician or poison control center immediately.

If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact : If symptoms persist, call a physician.

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Do NOT use solvents or thinners.

In case of eye contact : If symptoms persist, call a physician.

In case of eye contact, remove contact lens and rinse

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According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836 569	Date of first issue: 25.07.2022

immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If swallowed : Do not induce vomiting due to aspiration hazard.

Keep at rest.

If symptoms persist, call a physician or Poison Control Center immediately.

Rinse mouth with water.

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

**Symptoms** : Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Risks : May be fatal if swallowed and enters airways.

## SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836 569	Date of first issue: 25.07.2022

When inhaled (e.g. during vomiting) risk of pulmonary oedema and/or pneumonia.

Risk of product entering the lungs on vomiting after ingestion.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No known specific antidote.  
Treat symptomatically.

## SECTION 5: Firefighting measures

## 5.1 Extinguishing media

Suitable extinguishing media	: Water spray jet
	Dry powder
	Alcohol-resistant foam
	Carbon dioxide (CO2)

Unsuitable extinguishing : High volume water jet

## SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

---

media

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

Specific hazards during fire : Fire will produce dense black smoke containing fighting hazardous combustion products (see section 10).

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : Appropriate breathing apparatus may be required.

Further information : In the event of fire, cool tanks with water spray.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

---

## SECTION 6: Accidental release measures

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

Personal precautions : Avoid breathing vapours.

Keep away from sources of ignition.

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

For non-emergency personnel:

For emergency responders:

Use personal protective equipment.

Ensure adequate ventilation, especially in confined areas.

### 6.2 Environmental precautions

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains

## SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

---

inform respective authorities.

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

Methods for cleaning up : Ensure adequate ventilation.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

For disposal considerations see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in

**SAFETY DATA SHEET**

According to REACH Regulation (EC) No  
1907/2006, as amended by UK REACH  
Regulations SI 2019/758



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**Chemetall**

expect more<sup>+</sup>

**LUMOR J(HF) (25 L) GB**

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

---

application area. For personal protection see section 8.  
Comply with the health and safety at work laws.

The workplace should be equipped with an emergency  
shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and  
safety practice.

Do not breathe vapors or spray mist.

Advice on protection  
against fire and explosion

: Avoid all sources of ignition: heat, sparks, open flame.  
Product may charge electrostatically: always use  
earthing leads when transferring from one container to  
another and earth containers. It is recommended that  
operators should wear antistatic clothing and footwear.  
The relevant fire protection measures should be noted.  
Use explosion-proof equipment. Vapors are heavier than  
air and may spread along floors. Vapors may form  
explosive mixtures with air.

Hygiene measures

: Remove contaminated clothing immediately and dispose

**SAFETY DATA SHEET**

According to REACH Regulation (EC) No  
1907/2006, as amended by UK REACH  
Regulations SI 2019/758



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**LUMOR J(HF) (25 L) GB**

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

---

of safely. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs.

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

Further information on storage conditions : Keep away from heat. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing. Keep in a dry, cool and well-ventilated place.

Advice on common storage : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Storage period : 60 Months

## SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

---

Recommended storage temperature : 5 - 40 °C

Packaging material : Suitable material: glass, High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene, Stainless steel 1.4301 (V2), Carbon steel (Iron), tinned carbon steel (Tinplate)

### 7.3 Specific end use(s)

Specific use(s) : Please refer to the technical leaflet for further information.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Engineering measures

Ensure adequate ventilation.

**SAFETY DATA SHEET**

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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**LUMOR J(HF) (25 L) GB**

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

---

**Personal protective equipment**

Eye/face protection : Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Hand protection

Remarks : The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. nitrile rubber (NBR) - 0.4 mm coating thickness Performance level 6, corresponding to a breakthrough time of >480 min according to EN ISO 374-1 The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties). Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Preventive skin protection

Skin and body protection : Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.

## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836 569	Date of first issue: 25.07.2022

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Filter type : Organic vapor Type (A)

Protective measures : Do not breathe vapour/spray.

Eye wash fountains and safety showers must be easily accessible.

If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

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## SECTION 9: Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

Appearance : liquid

Color : dark brown

Odor : hydrocarbon-like

## SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836 569	Date of first issue: 25.07.2022

Odor Threshold	:	not determined
pH	:	substance/mixture is non-polar/aprotic
Melting point/ range	:	not determined
Boiling point/boiling range	:	> 230 °C
Flash point	:	> 93 °C Method: ISO 3679
Evaporation rate	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35 g/m3
Vapor pressure	:	not determined (20 °C) not determined (50 °C)
Relative vapor density	:	Heavier than air.
Relative density	:	No data available
Density	:	0.810 g/cm3 (20 °C)
Solubility(ies)		
Water solubility	:	not determined
Partition coefficient: n-	:	not applicable for mixtures

## SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836 569	Date of first issue: 25.07.2022

octanol/water

Autoignition temperature : > 200.00 °C

Decomposition temperature : No decomposition if stored and handled as prescribed/indicated.

## Viscosity

Viscosity, kinematic : 2.4 mm<sup>2</sup>/s (40 °C)

6.0 mm<sup>2</sup>/s (23 °C)

Flow time : < 30 s at 23 °C  
Cross section: 3 mm  
Method: ISO 2431

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

## 9.2 Other information

Flammability (liquids) : Does not sustain combustion.

Self-heating substances : The substance or mixture is not classified as self heating.

Metal corrosion rate : Not corrosive to metals.

Particle size : The substance / product is marketed or used in a non solid or granular form

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According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form ignitable mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Avoid direct sunlight.

Protect from frost.

Heat, flames and sparks.

Heat.

### 10.5 Incompatible materials

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and

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According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

strongly acid materials in order to avoid exothermic reactions.

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

#### Respiratory or skin sensitization

#### Skin sensitization

Based on available data, the classification criteria are not met.

#### Respiratory sensitization

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

## SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

---

### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

### **STOT-single exposure**

Based on available data, the classification criteria are not met.

### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

### **Aspiration toxicity**

May be fatal if swallowed and enters airways.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

No data available

### **12.2 Persistence and degradability**

No data available

### **12.3 Bioaccumulative potential**

#### **Components:**

**Distillates (petroleum), hydro- treated light; Kerosine — unspecified:**

Partition coefficient: n- : log Pow: 5 - 6.7  
octanol/water

### **12.4 Mobility in soil**

No data available

### **12.5 Results of PBT and vPvB assessment**

#### **Product:**

## SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

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### Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

#### Product:

Endocrine disrupting potential : This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging : Containers which are not properly emptied must be

## SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

---

disposed pursuant to Directive 2008/98/EC

Packaging that is not properly emptied must be disposed of as the unused product.

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## SECTION 14: Transport information

### 14.1 UN number

<b>ADN</b>	:	Not regulated as a dangerous good
<b>ADR</b>	:	Not regulated as a dangerous good
<b>RID</b>	:	Not regulated as a dangerous good
<b>IMDG</b>	:	Not regulated as a dangerous good
<b>IATA</b>	:	Not regulated as a dangerous good

### 14.2 UN proper shipping name

<b>ADN</b>	:	Not regulated as a dangerous good
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**SAFETY DATA SHEET**

According to REACH Regulation (EC) No  
1907/2006, as amended by UK REACH  
Regulations SI 2019/758



We create chemistry

**Chemetall**

expect more<sup>+</sup>

**LUMOR J(HF) (25 L) GB**

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

---

**ADR** : Not regulated as a dangerous good

**RID** : Not regulated as a dangerous good

**IMDG** : Not regulated as a dangerous good

**IATA** : Not regulated as a dangerous good

**14.3 Transport hazard class(es)**

**ADN** : Not regulated as a dangerous good

**ADR** : Not regulated as a dangerous good

**RID** : Not regulated as a dangerous good

**IMDG** : Not regulated as a dangerous good

**IATA** : Not regulated as a dangerous good

**14.4 Packing group**

**ADN** : Not regulated as a dangerous good

**ADR** : Not regulated as a dangerous good

## SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

**Chemetall**

expect more<sup>+</sup>

## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

**RID** : Not regulated as a dangerous good

**IMDG** : Not regulated as a dangerous good

**IATA (Cargo)** : Not regulated as a dangerous good

**IATA (Passenger)** : Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Not applicable

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)

: Conditions of restriction for the following entries should be considered:

**SAFETY DATA SHEET**

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

**Chemetall**

expect more<sup>+</sup>

**LUMOR J(HF) (25 L) GB**

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

---

**Number on list 3**

UK REACH Candidate list of substances of very high : Not applicable concern (SVHC) for Authorisation

The Persistent Organic Pollutants Regulations : Not applicable (retained Regulation (EU) 2019/1021 as amended for Great Britain)

Regulation (EC) on substances that deplete the ozone layer : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

Control of Major Accident Hazards 34 Petroleum products: (a) Regulations 2015 (COMAH) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar

## SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

**Chemetall**

expect more<sup>+</sup>

## LUMOR J(HF) (25 L) GB

Version	Revision Date:	SDS Number:	Date of last issue: 21.02.2025
3.0	15.04.2025	00000000050836	Date of first issue: 25.07.2022
		569	

properties as regards  
flammability and  
environmental hazards as the  
products referred to in points  
(a) to (d)

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)

Not applicable

### 15.2 Chemical Safety Assessment

Assessment of safe use has been performed for the mixture and the result is documented in section 7 and 8 of the SDS

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## SECTION 16: Other information

### Full text of H-Statements

H304 : May be fatal if swallowed and enters airways.

### Full text of other abbreviations

**SAFETY DATA SHEET**

According to REACH Regulation (EC) No  
1907/2006, as amended by UK REACH  
Regulations SI 2019/758



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Asp. Tox. : Aspiration hazard

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECL - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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**Further information**

Other information : For multi-pack systems observe material safety data sheets of all components.  
Restricted to professional users.

**Classification of the mixture:**

Asp. Tox. 1

H304

**Classification procedure:**

Calculation method

The information provided in this 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.

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