

# Safety data sheet

Page: 1/14

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 23.06.2025

Version: 1.0

Date / Previous version: not applicable

Previous version: none

Product: **R+D HyCon R 7400 F**

(ID no. 30843620/SDS\_GEN\_GB/EN)

Date of print 14.10.2025

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

### 1.1. Product identifier

**R+D HyCon R 7400 F**

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

Relevant identified uses: Product for construction chemicals, for industrial use only

### 1.3. Details of the supplier of the safety data sheet

Company:

BASF SE  
67056 Ludwigshafen  
GERMANY

Contact address:

BASF plc  
4th and 5th Floors, 2 Stockport Exchange  
Railway Road, Stockport, SK1 3GG  
UNITED KINGDOM

Telephone: +44 161 475 3000

E-mail address: product-safety-uk-and-ireland@basf.com

### 1.4. Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts. The methodologies used are mentioned at the respective test results.

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 23.06.2025

Version: 1.0

Date / Previous version: not applicable

Previous version: none

Product: **R+D HyCon R 7400 F**

(ID no. 30843620/SDS\_GEN\_GB/EN)

Date of print 14.10.2025

No need for classification according to GHS criteria for this product.

## 2.2. Label elements

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

The product does not require a hazard warning label in accordance with GHS criteria.

According to Regulation (EC) No 1272/2008 [CLP]

Labeling of special preparations (GHS):

EUH208: May produce an allergic reaction. Contains: disodium maleate

According to Regulation (EC) No 1272/2008 [CLP]

EUH210: Safety data sheet available on request.

## 2.3. Other hazards

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Product does not contain a substance above legal limits included in the list established in accordance with Article 59(1) of Regulation (EC) No 1907/2006 for having endocrine disrupting properties or is identified to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

The product is under certain conditions capable of dust explosion.

The product does not contain a substance above legal limits fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

---

## SECTION 3: Composition/Information on Ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Chemical nature

Hazardous ingredients (GHS)

disodium maleate

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 23.06.2025

Version: 1.0

Date / Previous version: not applicable

Previous version: none

Product: **R+D HyCon R 7400 F**

(ID no. 30843620/SDS\_GEN\_GB/EN)

Date of print 14.10.2025

Content (W/W):  $\geq 0.3\%$  -  $< 1\%$

CAS Number: 371-47-1

EC-Number: 206-738-1

Skin Irrit. 2

Eye Irrit. 2

Skin Sens. 1

STOT SE 3 (irr. to respiratory syst.)

H319, H315, H317, H335

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

---

## SECTION 4: First-Aid Measures

### 4.1. Description of first aid measures

Remove contaminated clothing.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

Wash thoroughly with soap and water

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting unless told to by a poison control center or doctor.

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

Symptoms: (Further) symptoms and / or effects are not known so far

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

---

## SECTION 5: Fire-Fighting Measures

### 5.1. Extinguishing media

Suitable extinguishing media:

dry powder, foam

Unsuitable extinguishing media for safety reasons:

carbon dioxide

Additional information:

Avoid whirling up the material/product because of the danger of dust explosion.

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

Endangering substances: harmful vapours

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 23.06.2025

Version: 1.0

Date / Previous version: not applicable

Previous version: none

Product: **R+D HyCon R 7400 F**

(ID no. 30843620/SDS\_GEN\_GB/EN)

Date of print 14.10.2025

Advice: Generation of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### **5.3. Advice for fire-fighters**

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

---

## **SECTION 6: Accidental Release Measures**

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

Avoid dust formation. Use personal protective clothing.

### **6.2. Environmental precautions**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

Avoid raising dust.

### **6.4. Reference to other sections**

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

---

## **SECTION 7: Handling and Storage**

### **7.1. Precautions for safe handling**

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

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

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

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

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

---

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 23.06.2025

Version: 1.0

Date / Previous version: not applicable

Previous version: none

Product: **R+D HyCon R 7400 F**

(ID no. 30843620/SDS\_GEN\_GB/EN)

Date of print 14.10.2025

## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

#### Components with occupational exposure limits

7631-86-9: Silicon dioxide

TWA value 10 mg/m<sup>3</sup> (WEL/EH 40 (UK)), Inhalable dust

TWA value 4 mg/m<sup>3</sup> (WEL/EH 40 (UK)), Respirable dust

TWA value 2.4 mg/m<sup>3</sup> (WEL/EH 40 (UK)), Respirable dust

TWA value 6 mg/m<sup>3</sup> (WEL/EH 40 (UK)), Inhalable dust

### 8.2. Exposure controls

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Chemical resistant protective gloves (EN ISO 374-1)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

---

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Form:	solid
Colour:	light brown
Odour:	earthy
Odour threshold:	
	No data available.
pH value:	6 - 6.5 (20 °C)

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 23.06.2025

Version: 1.0

Date / Previous version: not applicable

Previous version: none

Product: **R+D HyCon R 7400 F**

(ID no. 30843620/SDS\_GEN\_GB/EN)

Date of print 14.10.2025

Melting point:	No data available.	
Boiling point:	No data available.	
Flash point:	Study does not need to be conducted.	
Evaporation rate:	The product is a non-volatile solid.	
Flammability:	No data available.	
Lower explosion limit:	For solids not relevant for classification and labelling.	
Upper explosion limit:	For solids not relevant for classification and labelling.	
Ignition temperature:	> 600 °C	(VDI 2263, sheet 1, 2.6 (May 1990))
Vapour pressure:	No data available.	
Density:	No data available.	
Relative vapour density (air):	The product is a non-volatile solid.	
Solubility in water:	soluble	
Partitioning coefficient n-octanol/water (log Kow):	Study does not need to be conducted.	
Self ignition:	not self-igniting	
Thermal decomposition:	No data available.	
Viscosity, dynamic:	Study does not need to be conducted.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	

## 9.2. Other information

Self heating ability:	It is not a substance capable of spontaneous heating.	
Minimum ignition energy:	The product is capable of dust explosion.	(DIN EN ISO/IEC 80079-20-2)
Bulk density:	400 - 600 kg/m <sup>3</sup> (20 °C)	
Hygroscopy:	hygroscopic	
Grain size distribution:	No data available.	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 23.06.2025

Version: 1.0

Date / Previous version: not applicable

Previous version: none

Product: **R+D HyCon R 7400 F**

(ID no. 30843620/SDS\_GEN\_GB/EN)

Date of print 14.10.2025

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### 10.3. Possibility of hazardous reactions

Dust explosion hazard.

### 10.4. Conditions to avoid

See SDS section 7 - Handling and storage.

### 10.5. Incompatible materials

Substances to avoid:

strong acids, strong bases, strong oxidizing agents, strong reducing agents

### 10.6. Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

---

## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Experimental/calculated data:

LD50 rat (oral): > 5,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

LC50 rat (by inhalation): 4 h  
not determined

LD50 rat (dermal): > 5,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Irritation

Assessment of irritating effects:

Not irritating to the skin. Not irritating to the eyes. May cause slight irritation to the respiratory tract.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 23.06.2025

Version: 1.0

Date / Previous version: not applicable

Previous version: none

Product: **R+D HyCon R 7400 F**

(ID no. 30843620/SDS\_GEN\_GB/EN)

Date of print 14.10.2025

Experimental/calculated data:

Skin corrosion/irritation

rabbit: non-irritant

The product has not been tested. The statement has been derived from the properties of the individual components.

Serious eye damage/irritation

rabbit: non-irritant

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Respiratory/Skin sensitization

Assessment of sensitization:

A sensitizing effect on particularly sensitive individuals cannot be excluded.

Experimental/calculated data:

guinea pig: Non-sensitizing. (OECD Guideline 406)

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Germ cell mutagenicity

Assessment of mutagenicity:

No data available concerning mutagenic effects.

#### Carcinogenicity

Assessment of carcinogenicity:

No data available.

#### Reproductive toxicity

Assessment of reproduction toxicity:

No data available.

#### Developmental toxicity

Assessment of teratogenicity:

No data available.

#### Specific target organ toxicity (single exposure)

Remarks: No data available.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

No data available.



BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 23.06.2025

Version: 1.0

Date / Previous version: not applicable

Previous version: none

Product: **R+D HyCon R 7400 F**

(ID no. 30843620/SDS\_GEN\_GB/EN)

Date of print 14.10.2025

#### Aspiration hazard

not applicable

---

## SECTION 12: Ecological Information

### 12.1. Toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

Toxicity to fish:

LC50 (96 h) > 100 mg/l, Fish

The product has not been tested. The statement has been derived from the properties of the individual components.

Aquatic invertebrates:

LC50 (48 h), daphnia

not determined

Aquatic plants:

EC50 (72 h), algae

not determined

Microorganisms/Effect on activated sludge:

EC50 (0.5 h), bacteria

not determined

Chronic toxicity to fish:

No data available.

Chronic toxicity to aquatic invertebrates:

No data available.

Assessment of terrestrial toxicity:

No data available concerning terrestrial toxicity.

### 12.2. Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

The organic component of the product is biodegradable. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### 12.3. Bioaccumulative potential

Assessment bioaccumulation potential:

No data available.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 23.06.2025

Version: 1.0

Date / Previous version: not applicable

Previous version: none

Product: **R+D HyCon R 7400 F**

(ID no. 30843620/SDS\_GEN\_GB/EN)

Date of print 14.10.2025

#### 12.4. Mobility in soil

Assessment transport between environmental compartments:

Volatility: No data available.

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

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

#### 12.6. Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

#### 12.7. Additional information

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

---

### SECTION 13: Disposal Considerations

#### 13.1. Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

Do not discharge into drains/surface waters/groundwater.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

---

### SECTION 14: Transport Information

#### Land transport

ADR

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

UN proper shipping name: Not applicable

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 23.06.2025

Version: 1.0

Date / Previous version: not applicable

Previous version: none

Product: **R+D HyCon R 7400 F**

(ID no. 30843620/SDS\_GEN\_GB/EN)

Date of print 14.10.2025

Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

#### RID

Not classified as a dangerous good under transport regulations  
UN number or ID number: Not applicable  
UN proper shipping name: Not applicable  
Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

#### **Inland waterway transport**

##### ADN

Not classified as a dangerous good under transport regulations  
UN number or ID number: Not applicable  
UN proper shipping name: Not applicable  
Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

#### Transport in inland waterway vessel

Not evaluated

#### **Sea transport**

##### IMDG

Not classified as a dangerous good under transport regulations  
UN number or ID number: Not applicable  
UN proper shipping name: Not applicable  
Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

#### **Air transport**

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 23.06.2025

Version: 1.0

Date / Previous version: not applicable

Previous version: none

Product: **R+D HyCon R 7400 F**

(ID no. 30843620/SDS\_GEN\_GB/EN)

Date of print 14.10.2025

## IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

### 14.1. UN number or ID number

See corresponding entries for "UN number or ID number" for the respective regulations in the tables above.

### 14.2. UN proper shipping name

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

### 14.3. Transport hazard class(es)

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

### 14.4. Packing group

See corresponding entries for "Packing group" for the respective regulations in the tables above.

### 14.5. Environmental hazards

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

### 14.6. Special precautions for user

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

### 14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

---

## SECTION 15: Regulatory Information

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

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):

Listed in above regulation: no

Classification applies for standard conditions of temperature and pressure.

Annex VIII to Regulation (EC) No 1272/2008 - Poison Center Notifications: This product is not subject to submission obligations.

A voluntary submission is not planned.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 23.06.2025

Version: 1.0

Date / Previous version: not applicable

Previous version: none

Product: **R+D HyCon R 7400 F**

(ID no. 30843620/SDS\_GEN\_GB/EN)

Date of print 14.10.2025

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

## 15.2. Chemical Safety Assessment

Chemical Safety Assessment not required

## SECTION 16: Other Information

### Assessment of the hazard classes according to UN GHS criteria (most recent version)

Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:

Skin Irrit.	Skin irritation
Eye Irrit.	Eye irritation
Skin Sens.	Skin sensitization
STOT SE	Specific target organ toxicity — single exposure
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.

### Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 23.06.2025

Version: 1.0

Date / Previous version: not applicable

Previous version: none

Product: **R+D HyCon R 7400 F**

(ID no. 30843620/SDS\_GEN\_GB/EN)

Date of print 14.10.2025

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

---

Vertical lines in the left hand margin indicate an amendment from the previous version.