

# SAFETY DATA SHEET

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



We create chemistry

## 90-A 220 0,5L pumpkin orange 0,5L Plastic bottle

|         |                |                        |                                 |
|---------|----------------|------------------------|---------------------------------|
| Version | Revision Date: | SDS Number:            | Date of last issue: 15.04.2025  |
| 4.1     | 17.12.2025     | 0000000000507090<br>59 | Date of first issue: 13.10.2023 |

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

#### 1.1 Product identifier

Trade name : 90-A 220 0,5L pumpkin orange 0,5L Plastic bottle  
Product code : 000000000050709059

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

Use of the Sub- : Spraying  
stance/Mixture Basecoat product

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

**Company:**  
BASF Coatings GmbH  
Postfach 6123  
48136 Münster  
Deutschland

**Contact address:**  
BASF plc  
4th and 5th Floors, 2 Stockport Exchange  
Railway Road, Stockport, SK1 3GG  
United Kingdom

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Telephone: +44 161 475 3000  
E-mail address: product-safety-coatings@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)**

Not a hazardous substance or mixture.

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### 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)**

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

#### Additional Labeling

EUH210      Safety data sheet available on request.

### 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      :    polyurethane  
   pigment  
   acrylic resin  
   organic solvent  
   Water

#### Components

| Chemical name   | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number                                       | Classification  | Concentration<br>(% w/w) |
|-----------------|---|---|--------------------------|
| orange pigment  | Not Assigned<br><br>01-2119970715-29  | Acute Tox. 4; H332  | >= 10 - < 12.5           |
| 2-butoxyethanol | 111-76-2<br>203-905-0<br>603-014-00-0<br>UK-20-9702550300-0-0000<br>UK-20-0537843089-5-0000 | Acute Tox. 4; H302<br>Acute Tox. 4; H332<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319 | >= 7 - < 10              |

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|  |                         |  |  |
|--|-------------------------|--|--|
|  | UK-20-9642318150-0-0000 |  |  |
|--|-------------------------|--|--|

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

- General advice : Never give anything by mouth to an unconscious person.  
Move out of dangerous area.  
In all cases of doubt, or when symptoms persist, seek medical attention.  
Immediately remove contaminated clothing.  
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).  
First aid personnel should pay attention to their own safety.
- If inhaled : If breathed in, move person into fresh air.  
If breathing is irregular or stopped, administer artificial respiration.  
If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  
Do NOT use solvents or thinners.  
If symptoms persist, call a physician.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
If symptoms persist, call a physician.
- If swallowed : Rinse mouth.  
Do NOT induce vomiting.  
If symptoms persist, call a physician.

#### 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.

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

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Treatment : No known specific antidote.  
Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Water spray  
Dry powder  
Foam  
Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during fire fighting : Hazardous decomposition products formed under fire conditions.

#### 5.3 Advice for firefighters

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

Further information : 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.  
Cool containers/tanks with water spray.

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### SECTION 6: Accidental release measures

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

Personal precautions : Avoid breathing vapours.  
For non-emergency personnel:  
Use personal protective equipment.  
Ensure adequate ventilation, especially in confined areas.  
Keep away from sources of ignition.  
For emergency responders:  
Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

#### 6.2 Environmental precautions

Environmental precautions : Avoid subsoil penetration.

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If the product contaminates rivers and lakes or drains inform respective authorities.

Do not allow uncontrolled discharge of product into the environment.

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

Methods for cleaning up : 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).  
Ensure adequate ventilation.

### 6.4 Reference to other sections

For disposal considerations see section 13.

## 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 application area. For personal protection see section 8. Comply with the health and safety at work laws.  
When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.  
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. Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.

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The relevant fire protection measures should be noted. Use explosion-proof equipment.

Hygiene measures : Remove contaminated clothing immediately and dispose 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.

Recommended storage temperature : 5.00 - 40.00 °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.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components      | CAS-No.  | Value type (Form of exposure) | Control parameters              | Basis   |
|-----------------|--|-------------------------------|---------------------------------|---------|
| 2-butoxyethanol | 111-76-2   | TWA                           | 25 ppm<br>123 mg/m <sup>3</sup> | GB EH40 |
|                 | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |                               |                                 |         |
|                 |  | STEL                          | 50 ppm<br>246 mg/m <sup>3</sup> | GB EH40 |
|                 | Further information: Can be absorbed through the skin. The assigned sub-   |                               |                                 |         |

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|--|---|------|---------------------------------|------------|
|  | stances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |      |                                 |            |
|  |   | TWA  | 20 ppm<br>98 mg/m <sup>3</sup>  | 2000/39/EC |
|  | Further information: Identifies the possibility of significant uptake through the skin, Indicative    |      |                                 |            |
|  |   | STEL | 50 ppm<br>246 mg/m <sup>3</sup> | 2000/39/EC |
|  | Further information: Identifies the possibility of significant uptake through the skin, Indicative    |      |                                 |            |

### Biological occupational exposure limits

| Substance name  | CAS-No.  | Control parameters   | Sampling time | Basis          |
|-----------------|----------|--|---------------|----------------|
| 2-butoxyethanol | 111-76-2 | butoxyacetic acid:<br>240 Millimoles per mole creatinine (Urine) | After shift   | GB EH40<br>BAT |

### 8.2 Exposure controls

#### Engineering measures

Ensure adequate ventilation.

#### Personal protective equipment

Eye/face protection : Required when there is a risk of eye contact.  
Safety glasses with side-shields conforming to EN166

Hand protection

Remarks : Processes should be designed in such a way, that only disposable gloves against splashes are required, e.g. nitrile or neoprene gloves.  
In case of regular or extensive contact, a protection glove certified according to EN ISO 374-1 and made of butyl rubber (material thickness 0.5 mm) or nitrile rubber (material thickness 0,35 mm) or fluorinated rubber (material thickness 0,5 mm) is recommended.  
Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Skin and body protection : Anti-static protective clothing  
Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

Respiratory protection : Suitable respiratory equipment:  
half-mask with A1P2 class combination filter  
In case of mist, spray or aerosol exposure wear suitable per-

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Protective measures : Personal respiratory protection and protective suit.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
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.

### SECTION 9: Physical and chemical properties

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

|  |   |
|--|---|
| Appearance                                       | : liquid  |
| Color  | : orange  |
| Odor   | : of glycol   |
| pH   | : 7.0 - 9.0   |
| Melting point/freezing point                     | : not determined  |
| Boiling point/boiling range                      | : 90 - 103 °C<br>Method: calculated   |
| Flash point                                      | : > 70 °C<br>Method: ISO 3679   |
| Upper explosion limit / Upper flammability limit | : not determined  |
| Lower explosion limit / Lower flammability limit | : > 35.0 g/m <sup>3</sup>   |
| Vapor pressure                                   | : 25 hPa (20 °C)<br>Method: calculated<br><br>130 hPa (50 °C)<br>Method: calculated |
| Relative vapor density                           | : Lighter than air.   |

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|  |   |   |
|--|---|---|
| Density                                | : | 1.060 g/cm <sup>3</sup> (20 °C)                                 |
| Solubility(ies)                        | : |   |
| Water solubility                       | : | not determined  |
| Partition coefficient: n-octanol/water | : | not applicable for mixtures                                     |
| Autoignition temperature               | : | > 200 °C  |
| Decomposition temperature              | : | No decomposition if stored and handled as prescribed/indicated. |
| Viscosity                              | : |   |
| Viscosity, kinematic                   | : | 621.6 mm <sup>2</sup> /s (23 °C)<br><br>not determined (40 °C)  |
| Flow time                              | : | > 90 s at 23 °C<br>Cross section: 6 mm<br>Method: ISO 2431      |
| Explosive properties                   | : | Not explosive   |
| Oxidizing properties                   | : | The substance or mixture is not classified as oxidizing.        |

### 9.2 Other information

|                         |   |  |
|-------------------------|---|--|
| Flammability (liquids)  | : | Combustible liquid.  |
| 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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## 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 | : | No hazardous reactions when stored and handled according |
|---------------------|---|--|

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to instructions.

### 10.4 Conditions to avoid

Conditions to avoid : Protect from frost.  
Heat, flames and sparks.  
Avoid direct sunlight.  
Heat.

### 10.5 Incompatible materials

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

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: Calculation method

#### Components:

##### **2-butoxyethanol:**

Acute oral toxicity : LD50 (guinea pig): 1,200 mg/kg

#### **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.

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### 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.

#### 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

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

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

##### orange pigment:

Partition coefficient: n-octanol/water : log Pow: 4.5 - 4.7 (22 °C)  
pH: 6  
Method: OECD Test Guideline 117  
GLP: yes

##### 2-butoxyethanol:

Partition coefficient: n-octanol/water : log Pow: 0.81 (25 °C)  
GLP: no

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### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

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) at levels of 0.1% or higher.

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

## SECTION 14: Transport information

### 14.1 UN number

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

### 14.2 UN proper shipping name

ADN : Not regulated as a dangerous good

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**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  
**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.

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

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The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable  
Regulation (EU) No 2024/590 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 Regulations 2015 (COMAH) : Not applicable

Volatile organic compounds : Volatile organic compounds (VOC) content: 232.3 g/l

Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)

Volatile organic compounds (VOC) content: 8.25 %

### Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

Details relating to the VOC Directive 2004/42/EC:

Subcategory as indicated in Annex IIB:

d

Limit value for maximum VOC content as specified in Annex IIB:

420 g/l

VOC content of the ready-for-use product according to ISO 11890-2:

249 g/l

### 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

## SECTION 16: Other information

### Full text of H-Statements

H302 : Harmful if swallowed.  
H315 : Causes skin irritation.  
H319 : Causes serious eye irritation.  
H332 : Harmful if inhaled.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Eye Irrit. : Eye irritation

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Skin Irrit. : Skin irritation  
2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
GB EH40 BAT : UK. Biological monitoring guidance values  
2000/39/EC / TWA : Limit Value - eight hours  
2000/39/EC / STEL : Short term exposure limit  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

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 Standardization; 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 Organization for Standardization; KECI - 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, Authorization 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

### Further information

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

# SAFETY DATA SHEET

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



We create chemistry

## 90-A 220 0,5L pumpkin orange 0,5L Plastic bottle

|         |                |                  |                                 |
|---------|----------------|------------------|---------------------------------|
| Version | Revision Date: | SDS Number:      | Date of last issue: 15.04.2025  |
| 4.1     | 17.12.2025     | 0000000000507090 | Date of first issue: 13.10.2023 |
|         |                | 59               |                                 |

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Restricted to professional users.

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GB / EN