SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: POLYTEK

Version: 1

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: POLYTEK

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

Product uses: ACRYLATE RESIN COMPOUND

1.3 Details of the supplier of the safety data sheet

Company name: **IKON.IQ GmbH**

Company address: Cockerillstr. 100, 52222 Stolberg,
Germany

1.4 Emergency telephone number

Emergency phone: +49 151 540 89691

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger:

Skin Sensitization. Category 1

Irritant : Category 11

H317 May cause an allergic skin reaction.

H320 Causes eye irritation.

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2.2 Label elements

Classification under Regulation (EC) No 1272/2008

Signal word: Warning

Hazard statements:

H317 May cause an allergic skin reaction.

H320 Causes eye irritation.

Precautionary statements:

Prevention:

P272 Contaminated work clothing should not be allowed take out of the workplace

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P363 Wash contaminated clothing before reuse

P302 + P352 Wash with plenty of soap and water once skin-touch occurs.

P333 + P313 If skin irritation or rash occurs, get medical advice/attention.

Disposal:

P501: Dispose of contents/container in accordance with local/regional/national/ international regulations.

Pictograms:

2.3 Other hazards

Other hazards:

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

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Section 3. Composition / information on ingredients

3.2 Mixtures

Name	CAS	%	CARCINOGEN IARC/NTP/OSHA
Acrylates Copolymer	[25035-69-2]	33-55	Not Listed
Hydroxypropyl Methacrylate	[27813-02-1]	23	Not Listed
Polymethyl Methacrylate	[9011-14-7]	20	Not Listed
Cellulose Acetate Butyrate	[9004-36-8]	3	Not Listed
Dimethicone	[9016-00-6]	3	Not Listed
Microcrystalline Wax	[63231-60-7]	4	Not Listed
Ethyl Trimethylbenzoyl Phenylphosphinate	[84434-11-7]	4	Not Listed
C.I. No. 77491	[1309-37-1]	<= 1	Not Listed
C.I. No. 77492	[51274-00-1]	<= 1	Not Listed
C.I. No. 77891	[13463-67-7]	<= 1	Not Listed
C.I. No. 77007	[12769-96-9]	<= 1	Not Listed
C.I. No. 77266	[1333-86.4]	<= 1	Not Listed

Section 4. First-aid measures

4.1 Description of first aid measures

Inhalation: Move immediately to fresh air, avoid exertion and seek medical attention.

Eye exposure: Rinse thoroughly with plenty of water, also under the eyelids. Keep eyes widely open while rinsing. If symptoms persist, seek medical attention.

Skin exposure: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available) for at least 15 minutes. If symptoms persist seek medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. If symptoms persist, seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Skin Contact: Irritating to skin. May cause sensitization by skin contact.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information

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Section 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide (CO_2), dry chemical or foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Special exposure hazards arises from the product itself, combustion products, and resulting gases. Combustible, slight fire hazard when exposed to heat or flame. The combusting material may emit toxic fumes and vapors.

5.3 Advice for fire fighters:

Wear self-contained breathing apparatus and protective suit.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid contacting with skin, eyes, clothing. Remove all sources of ignition, heat, flames and sparks. Ensure adequate ventilation.

6.2 Environmental precautions:

Prevent product from entering soil/drains/surface waters/groundwater. .

6.3 Methods and material for containment and cleaning up:

Clear area of personnel and move upwind. Prevent further leakage or spillage if safe to do so Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations

Section 7. Handling and storage

7.1 Precautions for safe handling:

Wear personal protective equipment. Ensure adequate ventilation. Use only in well ventilated areas, possibly combined with a local extraction. Take precautions against electrostatic discharge.
Compliance with minimum standards of the Technical Rules for Hazardous Substances (TRGS) required. These rules include general hygiene measures like.
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
- Workers should wash hands and face after usage.
- Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Store under air. The stabilizer is only effective in the presence of oxygen. Keep container in a cool, well-ventilated area. Keep away from heat sources and direct sunlight. Keep container tightly closed in a dry and well-ventilated place. Protect from frost, heat and sunlight. Ensure all equipment is electrically grounded before beginning transfer operations. Shelf time: 36 months (original factory packaging)

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Section 8. Exposure controls/personal protection

8.1 Control parameters

Engineering Controls

Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Hygiene measures:
When using, do not eat, drink or smoke. Wear suitable gloves and eye/face protection. Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product

8.2 Exposure Controls

Eye Protection

Avoid contact with eyes. Wear safety glasses with side shields (or goggles)

Skin Protection

Wear chemical resistant protection gloves (EN374) made of suitable material such as Nitrile rubber (nitrile, thickness > 0.5 mm). Replace gloves immediately when torn or any change in appearance (dimension, color, flexibility, etc.) is noticed..

Respiratory Protection

Suitable respiratory protection for higher concentrations or long-term effect: Gas filter EN141 Type A for gases/vapors of organic compounds (boiling point >65 °C).

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Not available
Specific Physical Form	Liquid
Odour:	Characteristic
pH:	6.8~7.0
Melting point / freezing point:	Not available
Initial boiling point / range:	>200°C
Flash point:	>120 °C
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Vapour pressure:	< 0.01 kPa (20 °C)
Solubility in water:	slight in water; soluble in esters and ketones
Density:	1.05~1.17 g/cm3 (25 °C)

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Solubility(ies):	Not available.
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	1500~2500 cps (25°C)
Explosive properties:	Not available
Oxidising properties:	Not available

Section 10. Stability and reactivity

10.1 Reactivity:
None

10.2 Chemical stability:
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:
Hazardous polymerization. Inhibitors have been added to stabilize this product. Maintaining air in the storage containers is important to keep inhibitors active.

10.4 Conditions to avoid:
Avoid exposure to moisture. Unintentional fire, during which irritating and toxic gases may be generated.

10.5 Incompatible materials:
Acids, bases, oxidizing agents, reducing agents. Direct sunlight, any other sources of heat or radiation, flames and sparks, oxidizing conditions, inert gas blanketing.

10.6 Hazardous decomposition products:
None when used as directed. Thermal decomposition will lead to the release of carbon monoxide (CO) and carbon dioxide (CO2).

Section 11. Toxicological information

11.1 Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

Acute Toxicity:

Acute Toxicity Oral	May produce nausea and vomiting
Acute Toxicity Dermal	Not Applicable
Acute Toxicity Inhalation	Not Applicable
Skin corrosion/irritation:	Can cause inflammation of the skin on contact in some persons
Serious eye damage/irritation:	Can cause eye irritation and damage in some persons
Respiratory or skin sensitisation:	There may be irritation and redness at the site of contact
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.

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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 hazard: Based on available data the classification criteria are not met

Information about hazardous ingredients in the mixture

Not Applicable

Section 12. Ecological information

12.1 Toxicity: Not available.

12.2 Persistence and degradability: Not available.

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

13.2 Local disposal regulations:

Dispose in accordance with all applicable regulations

13.3 Hazardous waste code:

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

13.4 Waste from residues/unused product:

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

13.5 Contaminated packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

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Section 14. Transport information

DOT Classification

14.1 UN number: Not Classified
14.2 UN Proper Shipping Name: Not Classified
14.3 Transport hazard class(es): Not Classified
14.4 Packing Group: Not Classified
14.5 Environmental hazards: Not environmentally hazardous for transport

14.6 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not classified

IMDG Classification

14.1 UN number: Not Classified
14.2 UN Proper Shipping Name: Not Classified
14.3 Transport hazard class(es): Not Classified
14.4 Packing Group: Not Classified
14.5 Environmental hazards: Not environmentally hazardous for transport

14.6 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not classified

IMDG Classification

14.1 UN number: Not Classified
14.2 UN Proper Shipping Name: Not Classified
14.3 Transport hazard class(es): Not Classified
14.4 Packing Group: Not Classified
14.5 Environmental hazards: Not environmentally hazardous for transport

14.6 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not classified

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Section 15. Regulatory information

1. **Safety, health and environmental regulations/legislation specific for the substance or mixture**

   This product does not require any special training before use. Usage and handling instructions are mentioned on package and on this Material Safety Data Sheet.

2. **C Annex XIV - List of substances subject to authorization Substances of very high concern**
   None of the components are listed.
3. **Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**
   Not applicable

4. **Chemical Safety Assessment:** The supplier has not performed a chemical safety assessment of this substance

Section 16. Other information

Key to abbreviations:

Abbreviation	Meaning
H317	May cause an allergic skin reaction.
H320	Causes eye irritation
P272	Contaminated work clothing should not be allowed take out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P363	Wash contaminated clothing before reuse
P302 + P352	Wash with plenty of soap and water once skin-touch occurs
P333 + P313	If skin irritation or rash occurs, get medical advice/attention
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations

The information provided in this Safety Data Sheet is correct to the best of our knowledge and have been obtained from resources believed to be reliable. We make no warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. The information related 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.