Section 1: Identification

1.1 Product Identifier

Name PolyMaster 80 Component B

1.2 Identified use for substance and uses against

No data

1.3 Company Details

Name	Deutsch Master
Address	Nikolaus-Otto-Straße 15 24568, Kaltenkirchen Germany
English Phone	+1 (703) 527-3887 (Daytime & Emergency)
Spanish Phone	+56 22 581 4934 (Daytime & Emergency)
Email	Info@dm-chemicals.com
Website	dm-chemicals.com

Section 2: Hazards

2.1 Materials Classification

Hazard class and category	Code	Hazard statement
Respiratory sensitisation	H317	May cause allergic reaction
Skin corrosion/ irritation	H315	Causes skin irritation
Serious eye damage or irritation	H319	Causes serious eye irritation
Respiratory sensitisation	H334	May cause allergy, asthma or breathing difficulties if inhaled
Carcinogenicity	H351	Suspected of causing cancer
Acute toxicity	H332	Harmful if inhaled
Specific Target Organ Toxicity (STOT) – single exposure	H335	Can cause respiratory irritation
Specific Target Organ Toxicity (STOT) – repeated exposure	H373	Can cause damage to organs

2.2 Labelling

Hazard Pictograms

GHS07

GHS08

Signal word Danger

2.2 Labelling – continued

Hazard Components	Diphenylmethandiisocyanat, isomers and homologues Reaction mass of 4,4'-methylenediphenyldiisocyanate and o-(isocyanatobenzyl)phenylisocyanate 4,4'-methylenediphenyl diisocyanate
Precautionary prevention	Avoid breathing any dust, mists or vapours Wear appropiate clothing, eye, hand, face protection In poorly ventilated areas wear a respirator
Precautionary response	Skin contact: wash thoroughly with warm soapy water Inhalation: move to area of fresh air Eye contact: rinse cautiously with water for 5 mins (remove glasses or contact lenses if possible)

2.3 Other hazards

No Data

Section 3: Component information

3.2 Hazardous ingredients

Product Codes	Substance Name	Concentration
CAS: 9016-87-9	Diphenylmethandiisocyanat, isomers and homologues (GHS07, GHS08) (H332, H351, H319, H334, H373, H335, H315, H317)	Weight: 60 – 100 %
Reach No: 01-2119457015-45-XXX	Reaction mass of 4,4'-methylenediphenyldiisocyanate and o-(isocyanatobenzyl)phenylisocyanate (GHS07, GHS08) (H332, H351, H319, H334, H373, H335, H315, H317)	Weight: 5 – 20 %
CAS: 101-68-8 Reach: 01-2119457014-47-XXXX	4,4'-methylenediphenyl diisocyanate (GHS07, GHS08) (H332, H351, H319, H334, H373, H335, H315, H317)	Weight: < 10 %

Section 4: First Aid

4.1: First aid guidance

In case of accident or if you feel unwell:	Seek medical advice immediately. Show this safety data sheet to the doctor in attendance. Remove the victim from the contaminated area. Remove contaminated clothing and wash exposed skin with soap and water.
If unconscious but breathing:	Place the victim in the recovery position and maintain an open airway. Seek medical attention immediately.

Following inhalation:	Move the exposed person to fresh air. If experiencing respiratory irritation, provide oxygen therapy and consult a physician. If breathing is irregular or stopped, administer artificial respiration using a bag-valve mask or ventilator. Do not perform mouth-to-mouth or mouth-to-nose resuscitation. Seek immediate medical advice.
In case of skin contact:	Immediately wash the contaminated area thoroughly with soap and running water for at least 15 minutes. If skin irritation or rash occurs, seek medical advice. Remove contaminated clothing and wash it before reuse.
After eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, seek medical advice.
Following ingestion:	Rinse the victim's mouth with water. Do not induce vomiting. Give the victim small sips of water to drink (dilution effect). Seek medical advice immediately.
Self-protection of the first aider:	Wear personal protective equipment (PPE) as specified in Section 8 (Exposure Controls/Personal Protection) of this Safety Data Sheet. Avoid direct contact with the contaminated person or clothing. Do not administer mouth-to-mouth resuscitation.
Notes to physician:	Treat symptomatically.

4.2 Most notable symptoms acute and delayed.

Skin corrosion/irritation Allergic reactions Serious eye damage/eye irritation Asthmatic complaints Respiratory complaints Irritation to respiratory tract

Section 5: Extinguishing a fire

5.1 Extinguishing medium

Suitable	Foam powder Carbon Dioxide Water spray Water mist
Unsuitable	Any water jet

5.2 Hazards biproducts arising from mixture combustion

Any gases, vapours can be toxic

5.3 Firefighter advice

Self-contained breathing apparatus advised; chemical protective clothing advised

5.4 Further comments

Ensure any extinguishing medium is collected separately and not disposed of in general waste or drains.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:	Remove persons to safety.
Protective equipment:	Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:	see section 8

6.2. Environmental precautions

Do not allow to enter surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:	Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

Safe handling:	See section 7
Personal protection equipment:	see section 8

Disposal:	see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

Section 7: Handling & storage

7.1 Precautions for safe handling

Advice on safe handling	Wear personal protection equipment (see section 8)
Advice on occupational hygiene	Avoid eating, drinking, or smoking in proximity to product. Avoid contact with skin or eyes.

7.2 Conditions for safe storage, including and incompatibilities

Technical measures & storage conditions	Keep container tightly closed in a cool, well ventilated place
Requirements for storage rooms and vessels	Store only in original container
Further information on storage conditions	Avoid UV-radiation, direct sunlight, excessive heat, excessive cold

Section 8: Exposure control/ personal protection

8.1: Control Parameters/ Occupational exposure limits (OEL)

[1]: Long-term occupational exposure limit value
[2]: Short-term occupational exposure limit value
[3]: Instantaneous value
[4]: Monitoring and observation processes
[5]: Remark

Limit value type (country of origin)	Substance comments	Exposure limit value
NIOSH (US)	Diphenylmethandiisocyanat, isomers and homologues CAS: 9016-87-9	[1]: 0.005 ppm (0.05 mg/m^3) [3]: 0.02 ppm [5]: 4,4'-methylenediphenyl diisocyanate – CAS: 101-68-8
TRGS 900 (DE)	Diphenylmethandiisocyanat, isomers and homologues CAS: 9016-87-9	[1]: 0.05 mg/m^3 [2]: 0.05 mg/m^3 [3]: 0.1 mg/m^3 [5]: calculated as MDI (einatembare Fraktion, kann über die Haut aufhenommen werden DFG, H, Sah, Y, 12)
NIOSH (US)	4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 Reach: 01-2119457014-47-XXXX	[1]: 0.005 ppm (0.05 mg/m^3) [3]: 0.02 ppm (0.2 mg/m^3)

TRGS 900 (DE)	4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 Reach: 01-2119457014-47-XXXX	[1]: 0.05 mg/m^3 [2]: 0.05 mg/m^3 [3]: 0.1 mg/m^3 [5]: Aerosol und Dampf, einatembare Fraktion, kann über die Haut afgenommen werden (DFG, 11, 12, H, Sah, Y)

8.2: Exposure control

8.2.2 Personal protection equipment (PPE)

Eye/ face protection	Eye glasses with side protection
Skin protection	Protective gloves
Respiratory protection	Ventilator/ mask with air filtering capabilities recommended

Section 9: Physical & Chemical properties

9.1: Information on basic physical and chemical properties

Appearance:

State	Liquid
Colour	Brown
Odour	N/A

Relevant Data

pH	N/A
Melting point	N/A
Approx. boiling point	>300°C
Flash point	200°C
Density	1.23 g/cm^3

Section 10: Stability & reactivity

10.4: conditions to avoid

Acids, water, alcohols, alkalines, amines

Section 11: Toxicology information

11.1:Information on hazard classes

Acute oral toxicity	Based on available data, N/A
Acute dermal toxicity	Based on available data, N/A
Skin irritation	Causes skin irritation
Serious eye irritation	Causes serious eye irritation

Respiratory or skin sensitivity	May cause allergic or asthma symptoms or beathing difficulties if inhaled. May cause an allergic reaction.
Germ cell mutagenicity	Based on available data, N/A
Carcinogenicity	Suspected of causing cancer
Reproductive toxicity	Based on available data, N/A
STOT-single exposure	May cause respiratory irritation
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure
Aspiration hazard	Based on available data, N/A
Additional Information	N/A

Section 12: Ecological information

12.1: Toxicology
Based on available data, N/A

12.2: Persistence and degradability
Based on available data, N/A

12.3: Bioaccumulate potential
Based on available data, N/A

12.4: Mobility in soil
Based on available data, N/A

12.5: Results and vPvB assessment
Based on available data, N/A

12.6: Endocrine disrupting properties
Based on available data, N/A

12.7: Other effects
N/A

Section 13: Disposal consideration

13.1: Waste treatment methods
When disposing, follow local laws and guidance on disposal, or consult a local expert.

Section 14: Transport information

	Land transport	Inland water freight	Sea freight	Air freight
14.1: UN no./ ID no.	No dangerous goods in sense of these transport regulations	No dangerous goods in sense of these transport regulations	No dangerous goods in sense of these transport regulations	No dangerous goods in sense of these transport regulations
14.2: UN proper shipping name	No dangerous goods in sense of these transport regulations	No dangerous goods in sense of these transport regulations	No dangerous goods in sense of these transport regulations	No dangerous goods in sense of these transport regulations
14.3: Transport hazard class	N/A	N/A	N/A	N/A
14.4: Packing group	N/A	N/A	N/A	N/A
14.5: Environmental hazards	N/A	N/A	N/A	N/A
14.6: Special precautions	N/A	N/A	N/A	N/A
14.7: Maritime transport in bulk according to IMO insturments	N/A	N/A	N/A	N/A

Section 15: Regulatory information

15.1: Safety, health, and environmental regulations specific for the mixture

From Aug 2023 it is mandatory for persons to undertake adequate training before professional use.

Training is strongly recommended before use.

Before handling/ using product, ensure local laws and guidelines have been studied.

15.2: Chemical Safety Assessment

N/A

Section 16: Other Information

16.1: Indication of change

N/A

16.2: Abbreviations and acronyms

N/A

16.3: Key literature references and sources of data
N/A

16.4: Classification of mixtures and used evaluation method

Hazard class and category	Code	Hazard statement
Respiratory sensitisation	H317	May cause allergic reaction
Skin corrosion/ irritation	H315	Causes skin irritation
Serious eye damage or irritation	H319	Causes serious eye irritation
Respiratory sensitisation	H334	May cause allergy, asthma or breathing difficulties if inhaled
Carcinogenicity	H351	Suspected of causing cancer
Acute toxicity	H332	Harmful if inhaled
Specific Target Organ Toxicity (STOT) – single exposure	H335	Can cause respiratory irritation
Specific Target Organ Toxicity (STOT) – repeated exposure	H373	Can cause damage to organs

16.5: List of relevant hazard statements and/or precautionary statements

H315	Causes skin irritation
H317	May cause allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulty
	May cause respiratory irritation
H335	Suspected of causing cancer
H351	May cause damage to organs through prolonged exposure
H373	

16.6: Training advice
N/A

16.7: Additional information
N/A