
SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

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

1.1 Product identifier

- Product Name: Griptop P - Hardener
- Other means of Identification
- UFI: -
- Product Part Number: C12/05/06/100H

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

- Use of the substance/mixture: Hardener component of solvent based polyurethane resin floor coating

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Ayla for Building Materials Industry & Trade
- Address of Supplier: Al-Karadeh
Arsat Al-Hindia
Baghdad
- Telephone: +964 790 1488 730
- Email: info.iraq@dcp-int.com

1.4 Emergency telephone number

- Emergency Telephone: + 964 790 1488 730 (available during work hours)
-

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Skin Sens. 1, Flam. Liq. 3, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2

2.2 Label elements



- Signal Word: Warning

Hazard statements

H226 - Flammable liquid and vapour.

SECTION 2: Hazards identification (....)

H373 - May cause damage to organs through prolonged or repeated exposure.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H317 - May cause an allergic skin reaction.

EUH204 - Contains isocyanates. May produce an allergic reaction.

Precautionary statements

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P403+P235 - Store in a well-ventilated place. Keep cool.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P314 - Get medical advice/attention if you feel unwell.

P264 - Wash hands thoroughly after handling.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

P271 - Use only outdoors or in a well-ventilated area.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P243 - Take action to prevent static discharges.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P240 - Ground and bond container and receiving equipment.

P241 - Use explosion-proof [electrical/ventilating/lighting/

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

P242 - Use non-sparking tools.

P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

- As from 24 August 2023 adequate training is required before industrial or professional use
- Contains: Hexamethylene diisocyanate, oligomers
XYLENE.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hexamethylene diisocyanate, oligomers

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SECTION 3: Composition/information on ingredients (....)

CAS Number: 28182-81-2
 EC Number: 500-060-2
 Concentration: 70 - 80%
 Categories: Acute Tox. 4, Skin Sens. 1, STOT SE 3
 Specific Concentration Limits: No information available
 M factor: No information available
 Acute toxicity estimate: Not available
 Symbols: GHS07
 H Statements: H317, H332, H335

XYLENE.

CAS Number: 1330-20-7
 EC Number: 215-535-7
 Concentration: 10 - 15%
 Categories: Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1
 Specific Concentration Limits: No information available
 M factor: No information available
 Acute toxicity estimate: Not available
 Symbols: GHS02, GHS07, GHS08
 H Statements: H226, H332, H312, H315, H319, H335, H373, H304

2-methoxy-1-methylethyl acetate

CAS Number: 108-65-6
 EC Number: 203-603-9
 Concentration: 10 - 15%
 Categories: Not Classified
 Specific Concentration Limits: No information available
 M factor: No information available
 Acute toxicity estimate: Not available
 Symbols: GHS02
 H Statements: H226

SECTION 4: First aid measures
4.1 Description of first aid measures**Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water

IF ON SKIN: Wash with plenty of soap and water.

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SECTION 4: First aid measures (....)

If skin irritation or rash occurs: Get medical advice/attention.

Contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Get immediate medical advice/attention.

Ingestion

Do NOT induce vomiting.

Get immediate medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Contact with eyes

Irritating to eyes

Contact with skin

Irritating to skin

Inhalation

Causes irritation

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
-

SECTION 5: Firefighting measures

5.1 Extinguishing media

In case of fire, use foam, CO₂, powder halogenated. To cool the containers to use vapour water. Not to use directed water jets on flames.

5.2 Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3 Advice for firefighters

Use suitable breathing apparatus .

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

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid contact with skin and eyes
 - Ensure adequate ventilation
-

SECTION 6: Accidental release measures (....)

- In case of leakage, eliminate all ignition sources.
- Keep away from heat and sources of ignition
- Wear protective clothing as per section 8
- Wash thoroughly after dealing with spillage
- Wear suitable protective clothing

6.2 Environmental precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- Prevent further spillage if safe
- Shut off all ignition sources
- If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities
- Alert the neighbourhood to the presence of fumes or gas.

6.3 Methods and material for containment and cleaning up

- Avoid release to the environment.
- Collect as much as possible in clean container for reuse or disposal
- Ensure adequate ventilation
- Do not absorb spillage in sawdust or other combustible material
- Shut off all ignition sources
- Soak up with inert absorbent
- To clean the floor and all objects contaminated by this material use water
- Wear suitable protective clothing, eye/face protection and gloves

6.4 Reference to other sections

- See Section 8 & 13
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SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Avoid contact with skin and eyes
- Do not eat, drink or smoke when using this product.
- Ensure adequate ventilation
- Keep away from food, drink and animal foodstuffs
- Keep away from heat and sources of ignition
- Keep away from heat, sparks, open flames and hot surfaces
- Keep away from sources of ignition - No Smoking
- Take action to prevent static discharges.
- Use good personal hygiene practices
- Wash thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Get medical advice/attention if you feel unwell.

SECTION 7: Handling and storage (....)

- Wash contaminated clothing before reuse.
- Dispose of contents/container to an authorised waste collection point

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep cool.
- Do not allow to freeze. Keep container and its contents between 5 Deg C - 20 Deg C.
- Do not smoke
- Keep away from food, drink and animal feedingstuffs
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep away from static electricity
- Keep only in the original container at a temperature not exceeding 20 °C
- Store in a cool, dry, well ventilated area.
- Store in a dry environment away from direct sunlight.
- Keep away from strong oxidisers, heat, flames and sources of ignition.

7.3 Specific end use(s)

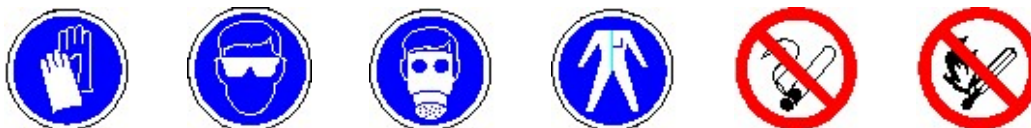
- No information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- No information available

8.2 Exposure controls



- Avoid contact with skin and eyes
- Contaminated work clothing should not be allowed out of the workplace.
- Do not eat, drink or smoke when using this product.
- Ensure adequate ventilation
- Keep away from food, drink and animal feedingstuffs
- In case of insufficient ventilation, wear suitable respiratory equipment/protection.
- Wash hands thoroughly after using this substance
- Wear goggles giving complete eye protection
- Wear suitable protective clothing, eye/face protection and gloves
- Wear suitable protective gloves. Be aware that liquid may penetrate gloves. Frequent change is advisable

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

SECTION 9: Physical and chemical properties (....)

- Physical state: Liquid
- Colour: Colourless
- Odour: Characteristic odour
- Melting point/Range: Not available
- Boiling Point/Range: 139 °C
- Flammability: No information available
- Lower explosive limit: 1.1% (in air)
- Upper explosive limit: 10.8% (in air)
- Flashpoint: 38°C
- Autoignition Temperature: 315 °C
- Decomposition temperature: N/A
- pH: N/A
- Kinematic viscosity: N/A mm²/s
- Solubility: Reacts with water
- Vapour Pressure: 5.3 mbar (20°C)
- Density: 1.05 - 1.07 g/cm³
- Vapour Density: N/A
- Particle characteristics: N/A

9.2 Other information

9.2.1 Information with Regard to Physical Hazard Classes

No Information Available

9.2.2 Other Safety Characteristics

No Information Available

SECTION 10: Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

Exothermic reactions in the presence of oxidizing agents.

10.4 Conditions to avoid

Stable under normal conditions.

Keep away from open flames, sparks and other sources of ignition.

10.5 Incompatible materials

Oxidizing agents.

Avoid contact with combustible materials. The product could catch fire.

10.6 Hazardous decomposition products

In normal conditions none. In case of combustion can give rise to the formation of oxides of carbon and nitrogen.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- No information available

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

No Information Available

11.2.2 Information on other hazards

No Information Available

SECTION 12: Ecological information

12.1 Toxicity

- No information available

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- Reacts with water

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Endocrine disrupting properties

- No information available

12.7 Other adverse effects

- No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Avoid release to the environment. Refer to special instructions/Safety data sheets
- Do not empty into drains - dispose of this material and container in a safe way
- Dispose of contents/container to an authorised waste collection point

SECTION 14: Transport information

SECTION 14: Transport information (....)**14.1 Air (ICAO/IATA)**

- ICAO UN No.: 1866
- Proper Shipping Name: RESIN SOLUTION
- ICAO Hazard Class: 3
- ICAO Packing Group: III

14.2 Road/Rail (ADR/RID)

- ADR UN No.: 1866
- Proper Shipping Name: RESIN SOLUTION
- ADR Hazard Class: 3

14.3 Sea (IMDG)

- IMDG UN No.: 1866
- Proper Shipping Name: RESIN SOLUTION
- IMDG Hazard Class: 3
- IMDG Packing Group.: III

14.4 Environmental hazards

- No information available

14.5 Special precautions for user

- No information available
- Contains: Hexamethylene diisocyanate, oligomers
XYLENE.

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

- No information available

14.7 Maritime transport in bulk according to IMO instruments

- No information available

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed

SECTION 16: Other information



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SECTION 16: Other information (....)

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H226: Flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H312: Harmful in contact with skin. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H332: Harmful if inhaled. H335: May cause respiratory irritation. H373: May cause damage to organs through prolonged or repeated exposure.

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.

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