



Molecular
Dimensions

SAFETY DATA SHEET

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : PACT premier Green Screen / PACT premier HT-96 Green Screen

Product number : MD1-52 / MD1-55

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2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Flammable.	Very toxic to aquatic organisms.
Toxic if swallowed.	May cause cancer.
Irritating to eyes, respiratory system and skin.	Corrosive.
Causes severe burns.	Harmful to aquatic organisms.
Contact with combustible material may cause fire.	Harmful by inhalation.
Vapours may cause drowsiness and dizziness.	May cause sensitisation.
Irritating to respiratory system.	Risk of serious damage to eyes.
Possible risk of harm to the unborn child.	Highly flammable.
Danger of serious damage to health by prolonged exposure.	
Contact with acids liberates very toxic gas. Harmful to aquatic organisms.	
Harmful if swallowed. Irritating to eyes, respiratory system and skin.	

3. COMPOSITION/INFORMATION ON INGREDIENTS.

Reagent	CAS-No.	EC-No.	Reagent	CAS-No.	EC-No.
Acetic acid	64-19-7	200-580-7	Potassium sodium tartrate	6381-59-5	206-156-8
Ammonium chloride	9718	None	Potassium thiocyanate	333-20-0	206-370-1
Bis-Tris propane	64431-96-5	264-899-3	Sodium acetate trihydrate	127-09-3	204-823-8
Boric acid	10043-35-3	233-139-2	Sodium bromide	7758-02-3	231-830-3
Calcium chloride dihydrate	10035-04-8	233-140-8	Sodium cacodylate trihydrate	6131-99-3	204-708-2
Potassium phosphate dibasic	7758-11-4	231-834-5	Sodium chloride	7647-14-5	231-598-3
Sodium phosphate dibasic dihydrate	7558-79-4	231-448-7	Sodium citrate tribasic dihydrate	6132-04-3	200-675-3
Glycine	56-40-6	200-272-2	Sodium phosphate monobasic monohydrate	10049-21-5	231-449-2
HEPES	7365-45-9	230-907-9	Sodium fluoride	7681-49-4	231-667-8
Hydrochloric acid (HCl)	7647-01-0	231-595-7	Sodium formate	141-53-7	205-488-0
Imidazole	288-32-4	206-019-2	Sodium hydroxide solution	1310-73-2	215-185-5
Lithium chloride	7447-41-8	231-212-3	Sodium iodide	7681-82-5	231-679-3
DL-Malic acid	97-67-6	202-601-5	Sodium malonate dibasic monohydrate	26522-85-0	None
Magnesium chloride hexahydrate	7791-18-6	232-094-6	Sodium nitrate	7631-99-4	231-554-3
MES monohydrate	4432-31-9	None	Sodium propionate	137-40-6	205-290-4
PEG 1500	25322-68-3	203-473-3	Sodium sulfate	7757-82-6	231-820-9
PEG 3350	25322-68-3	None	Succinic acid	110-15-6	203-740-4
PEG 6000	25322-68-3	None	Trizma® base (Tris)	77-86-1	201-064-4
Potassium phosphate monobasic	7778-77-0	231-913-4	Zinc chloride	7646-85-7	231-592-0
8-anilino-1-naphthalenesulfonic acid (1,8-ANS)	82-76-8	201-438-7			

4. FIRST AID MEASURES

If inhaled

Move person into fresh air. If breathing becomes difficult call a physician.

In case of skin contact

Immediately wash skin with soap and copious amounts of water.

In case of eye contact

Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

If swallowed

Wash out mouth with water provided the person is conscious. Call a physician.

5. FIRE-FIGHTING METHODS

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazard(s)

Emits toxic fumes when burnt.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Minimise direct contact with skin or eyes and prevent inhalation of dust.

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal. Avoid raising dust. Ventilate area and wash spill site.

7. HANDLING AND STORAGE

Handling

Avoid inhalation. Avoid contact with eyes, skin and clothing.

Avoid prolonged or repeated exposure.

Storage

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal protective equipment**Respiratory protection**

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Wear protective gloves.

Eye protection

Safety glasses.

Hygiene measures

General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form liquid

Safety data

pH	varying due to pack contents
Melting point	varying due to pack contents
Boiling point	varying due to pack contents
Flash point	varying due to pack contents
Ignition temperature	varying due to pack contents
Lower explosion limit	varying due to pack contents
Upper explosion limit	varying due to pack contents
Water solubility	varying due to pack contents

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid

Strong oxidising agents.

Hazardous decomposition products

Formed under fire conditions - Carbon oxides, Nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

No data available.

Oxidation and corrosion

No data available.

Sensitisation

No data available.

Chronic exposure

No data available.

Potential health effects

Inhalation	Harmful if inhaled. Can cause respiratory tract irritation.
Skin	Harmful if absorbed through skin. Can cause skin irritation.
Eyes	Can cause eye irritation.
Ingestion	Harmful if swallowed.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

No data available.

Ecotoxicity effects

No data available.

Further information on ecology

No data available.

13. DISPOSAL CONSIDERATIONS

Product

Observe all EU and local environmental regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

Not dangerous goods.

IMDG

Not dangerous goods.

IATA

Non-hazardous for air transport.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Caution - substance not yet tested completely.

16. OTHER INFORMATION

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Molecular Dimensions Ltd., shall not be held liable for any damage resulting from handling or from contact with the above product.

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