

Material Safety Data Sheet

**Last updated 18 January 2005
According to 91/155/EEC**

1) Product and Organisation Information

Product Name: *flashBAC*TM
 Product Codes: P11578L, P11579H, P11580B, P11581X, P11582R
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2) Composition/Information on ingredients

Product Name:	%	CAS#	EC #	Annex I Index #
a) Tris EDTA Buffer Solution pH 8.0	99.9	None	None	None
b) <i>flashBAC</i> DNA, Control plasmid DNA	0.1	None	None	None

3) Hazards Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT
 Not hazardous according to Directive 67/548/EC

4) First Aid Measures

AFTER INHALATION
 If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

AFTER SKIN CONTACT
 In case of contact, immediately wash skin with soap and copious amounts of water.

AFTER EYE CONTACT
 In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Remove contact lenses. Call a physician if symptoms develop.

AFTER INGESTION
 If swallowed, wash out mouth with water provided person is conscious. Call a physician if symptoms develop.

5) Fire Fighting Measures

Flashpoint °C: Not available
 Upper Flammable Limit %: Not available
 Lower Flammable Limit %: Not available
 Autoignition Temperature °C: Not available

EXTINGUISHING MEDIA

Suitable: Water Spray. Carbon dioxide, dry chemical powder, or appropriate foam.

SPECIAL RISKS

Specific hazard(s): Emits toxic fumes under fire conditions

SPECIAL PROTECTIVE EQUIPEMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6) Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Exercise appropriate precautions to minimise direct contact with skin or eyes.

METHODS FOR CLEANING UP

Spilled material should be carefully wiped up with absorbent tissue. Deposit in appropriate containers for removal and disposal.

7) Handling and Storage

HANDLING

Directions for safe handling – Do not breathe vapour. Avoid contact with eyes, skin and clothing.

STORAGE

Conditions of storage – Keep tightly closed. Store at 4°C.



8) Exposure Controls / Personal Protection

ENGINEERING CONTROLS

Safety shower and eye bath. Area ventilation is generally adequate

GENERAL HYGIENE MEASURES

Wash thoroughly after handling. Wash contaminated clothing before re-use.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection - none needed under normal industrial operating conditions.

Hand protection – Compatible chemical resistant gloves

Eye protection – Chemical resistant goggles

9) Physical and Chemical Properties

APPEARANCE

Physical state: Clear, colourless liquid (Aqueous solution)

BOILING POINT (°C)

100

MELTING POINT (°C)

0

SOLUBILITY IN WATER

100%

pH

8.0

VAPOUR PRESSURE

Not Available

VAPOUR DENSITY

Not Available

SPECIFIC GRAVITY/DENSITY

Not Available

PARTITION COEFFICIENT

Not Available

VOLATILES

Not Available

EVAPORATION RATE

Not Available

VISCOSITY

Not Available

10) Stability and Reactivity

STABILITY

Stable under ordinary conditions of use and storage

CONDITIONS AND MATERIALS TO AVOID

Not available

HAZARDOUS DECOMPOSITION PRODUCTS

Not available

HAZARDOUS POLYMERISATION

Will not occur

11) Toxicological Information

ROUTES OF ENTRY

Absorbed through skin, dermal contact

ACUTE EFFECTS:

Ingestion

Not available

Eye contact

Not available

Skin contact

Not available

Inhalation

Not available

CHRONIC EFFECTS:

Not available

12) Ecological Information

No data available

13) Disposal Considerations

DISPOSAL CONSIDERATION - Waste must be disposed of in accordance with government and local environmental control regulations.

14) Transport Information

RID/ADR – Not hazardous for road transport

IMDG – Not hazardous for sea transport

IATA - Not hazardous for air transport

15) Regulatory Information

CLASSIFICATION AND LABELLING ACCORDING TO EU DIRECTIVES

S-PHRASES: 24/25 Avoid contact with skin and eyes

Not hazardous according to Directive 67/548/EEC

16) Other Information

WARRANTY

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. NextGen Sciences Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

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