

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	3C-Express
Product Number:	3CE0005, 3CE0050
Brand:	Expedeon
Company:	Expedeon, Unit 12 Buckingway Business Park, Swavesey, CB24 4AE
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2. HAZARDS IDENTIFICATION

This substance is not classified as dangerous according to Directive 67/548/EEC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Recombinant human rhinovirus 3C protease

CAS-No	EC-No.	Index-No	Classification	Concentration
Water				
7732-18-5	231-791-2	-	-	>= 45 %
Glycerol				
56-81-5	200-289-5	-	-	50 %
Tris (hydroxymethyl) aminomethane free base				
77-86-1	201-064-4	-	Xi, R36/37/38	0.3 %
Enzyme				
-	-	-	-	0.2%
Tris(2-carboxyethyl)phosphine hydrochloride(TCEP-HCl)				
51805-45-9	200-449-4	-	Xi, R20/21/22	0.03%
Sodium chloride				
7647-14-5	231-598-3	-	-	0.3%

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

If inhaled

Get immediate medical attention.

In case of skin contact

Flush contaminated skin with plenty of water for at least 15 minutes. Get medical attention.

In case of eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

If swallowed

Wash out mouth with water. If material has been swallowed, get immediate medical attention.

5. FIRE-FIGHTING MEASURES Flammability of the product

Non-flammable

Suitable extinguishing media

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

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid breathing vapors, mist or gas.

Environmental precautions Do

not let product enter drains.

Methods for cleaning up

Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Normal measures for preventive fire protection.

Storage

Store at -20°C. Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection

Safety glasses

Hygiene measures

General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES Appearance

Form: clear, colorless liquid

Safety data

pH	8.0
Melting point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available

Upper explosion limit no data available
Water solubility soluble

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid Strong oxidizing agents.

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions: Carbon oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity

No data available

Irritation and corrosion

No data available

Sensitisation

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs and Symptoms of Exposure prolonged or repeated exposure can cause: Nausea, Headache, Vomiting

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.
Target Organs	Kidney

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 federal, state, and local environmental regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

Labeling according to EC Directives

The product does not need to be labeled in accordance with EC directives or respective national laws.

Text of R-phrases mentioned in Section 3

R36/37/38 Irritating to eyes, respiratory system and skin. R36

- R52/53 Irritating to eyes, respiratory system and skin.

R20/21/22 Irritating to eyes, respiratory system and skin.

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. Expedeon, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.