



Safety Data Sheet

Easykit viability and acrosome integrity

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1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY UNDERTAKING

1.1. Product identifier

Product name / Designation **Easykit viability and acrosome integrity**

Chemical Description -

CAS number -

EC number -

Index number -

Registration number -

1.2. Relevant identified uses of the substance and uses advised against

Relevant identified uses To monitor the integrity of the acrosome and the plasma membrane simultaneously.

1.3. Details of the supplier of the safety data sheet

Name IMV Technologies France

Address ZI N°1 Est
61300 SAINT OUEN SUR ITON
France

Telephone +33 (0) 2 33 34 64 64

Fax -

Contact email contact@imv-technologies.com

1.4. Emergency telephone number

Telephone Outside the U.S.: 1-703-527-3887 (CHEMTREC)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or the mixture

2.1.1. Classification of the substance according to DPD (1999/45/EC)

The mixture is not classified according to Directive DPD (1999/45/EC)

2.1.2. Classification of the substance according to CLP (1272/2008/EC)

The mixture is not classified according to the CLP Regulation ((EC) No. 1272/2008)



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2.2. Label elements according to the regulation (EC) n° 1272/2008 (CLP)

Hazard pictograms	-
Signal word	-
Hazard statements	-
Precautionary statements	-

2.3. Other hazards

Inhalation: May be harmful if inhaled. It may cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through the skin. It may cause skin irritation.

Eyes: May cause severe eye irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The mixture does not contain any compounds considered hazardous under EU regulations.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General descriptions	Remove and wash contaminated clothing before reuse.
After inhalation	If breathing is difficult, remove victim to fresh air and not contaminated area. Keep at rest in a position comfortable for breathing. If not breathing, administer artificial respiration. Consult a physician if you feel unwell.
After skin contact	Wash with soap and plenty of water. If skin irritation occurs: Get medical advice/attention in case of irritation.
After eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if they can be easily removed. Consult an ophthalmologist.
After ingestion	Never administer anything by mouth to an unconscious person. Rinse mouth with water. If symptoms persist, consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Not determined

4.3. Indication of immediate medical attention and special treatment

Not available



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5. FIREFIGHTING MEASURES

- 5.1. Extinguishing media** Appropriate: Water spray, carbon dioxide (CO₂), alcohol resistant foam, dry chemical powder.
- Inappropriate: not determined
- 5.2. Special hazards arising from the substance or mixture** Carbon oxides, nitrogen oxides (NOx), hydrogen iodide
- 5.3. Advice for firefighters** Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures** Wear protective gloves/protective clothing/eye protection/face protection. Avoid formation of dust. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
- 6.2. Environmental precautions** Do not let the product get into sewers, surface water or groundwater.
- 6.3. Methods and material for containment and cleaning up** Pick up mechanically in suitable containers for disposal. Stop leaks and spills if possible.
- 6.4. Reference to other sections** Refer to sections 7, 8 and 13.

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling** Avoid contact with skin and eyes. Avoid formation of dust. Wear protective gloves / protective clothing / equipment for eye protection / face protection. Provide appropriate exhaust ventilation at places where dust is formed. Apply normal measures for preventive protection against fire.
- 7.2. Conditions for safe storage, including any incompatibilities** Use tightly sealed labeled containers. Store in a cool place. Keep container tightly closed in a dry and well-ventilated. Protect from light.
- 7.3. Specific end use(s)** Not available



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

The product does not contain any hazardous materials with occupational exposure limits established.

8.2. Exposure controls

Appropriate
engineering controls

Ensure adequate ventilation, especially in confined areas.

Personal protective
equipment

Eye protection: Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (U.S.) or EN 166 (EU).

Hand protection: Wear gloves. Gloves must be inspected prior to use. Use an appropriate removal gloves technique to prevent skin coming into contact with the product (without touching glove's outer surface). Discard contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body protection: Choose body protection in relation to the type, concentration and amount of dangerous substances, and to the specific workstation. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the work place.

Respiratory Protection: If exposed, use a respirator with filter type P95 (U.S.) or type P1 (EN 143). For a higher level of protection, use respiratory type OV/AG/P99 (U.S.) or type ABEK-P2 (EU EN 143).

Hygiene measures: Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of the workday. Avoid contact with eyes, skin and clothing. Handle in accordance with good industrial hygiene and safety practice.

Environmental
exposure controls

Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information of basic physical and chemical properties

- | | |
|-------------------|---------------|
| - Physical state | Powder |
| - Colour | Not available |
| - Odour | Not available |
| - Odour threshold | Not available |



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- pH	Not available
- Melting point / range	Not available
- Boiling point / range	Not available
- Flashpoint	Not available
- Evaporation rate	Not available
- Auto-ignition temperature	Not available
- Flammability	Not available
- Upper/Lower flammability or explosive limits	Not available
- Vapour pressure	Not available
- Vapor density	Not available
- Relative density	Not available
- Water solubility	Not available
- Other solvents	Not available
- Partition coefficient n-Octanol/Water (log $P_{O/W}$)	Not available
- Decomposition temperature	Not available
- Viscosity	Not available
- Explosion properties	Not available
- Oxidizing properties	Not available

9.2. Other information

None

10. STABILITY AND REACTIVITY

10.1. Reactivity Not available



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10.2. Chemical stability	Not available
10.3. Possibility of hazardous reactions	Not available
10.4. Conditions to avoid	Not available
10.5. Incompatible materials	Strong oxidizers
10.6. Hazardous decomposition materials	Not available

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity	<u>Acute toxicity values:</u> For Propidium iodide: LD ₅₀ (sub-cutaneous, mouse) = 16 mg/kg
Corrosiveness	Not available
Irritation	Not available
Sensitisation	Not available
STOT-repeated exposure	Not available
Germ cell mutagenicity	Not available
Carcinogenicity	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.
Reproductive toxicity	Not available
STOT-single exposure	Not available
Aspiration hazard	Not available

11.2. Other information

To our knowledge, the chemical, physical and toxicological properties for this mixture have not been thoroughly investigated.



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12. ECOLOGICAL INFORMATION

12.1. Toxicity	Not available
12.2. Persistence and degradability	Not available
12.3. Bioaccumulation potential	Not available
12.4. Mobility in the soil	Not available
12.5. Results of PBT and vPvB assessment	Not applicable
12.6. Other adverse effects	Not available
12.7. Additional information	Not available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods *Product:* Replace the surplus and non-recyclable solutions to a licensed disposal company waste. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

13.2. Waste code numbers Not available

14. TRANSPORT INFORMATION

	Overland transport (ADR/RID)	River transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN Number	Not regulated			
14.2. UN proper shipping name	Not regulated			
14.3. Transport hazard classes	Not regulated			
14.4. Packing group	Not regulated			



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14.5. Environmental hazards	-	No	-
14.6. Classification	Not regulated		
14.7. Classification code	Not regulated		
14.8. Danger sheet	Not regulated		
14.9. Limited amount (LQ)	Not regulated		
14.10. Additional information	-		

14.11. Special precautions for user
Not available

14.12. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not available

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Not available

15.2. Chemical safety assessment Not available

16. OTHER INFORMATION

16.1. Indication on the revision
Creation of the SDS on the 17th of October 2013 according to REACH regulation 1907/2006 (EC)

16.2. Abbreviations and acronyms
ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on inland waterways.

ADR/RID: European Agreement concerns the International Carriage of Dangerous Goods by Road/
Regulations concerning the international carriage of dangerous goods by rail.



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ANSI: American National Standards Institute

CAS N^o.: Chemical Abstract Service Number

CFR: Code of Federal Regulations

CLP: Classification, Labeling and Packaging

DSD: Dangerous Substance Directive

DPD : Dangerous Preparation Directive

EC No.: European Commission Number

IATA: International Air Transport Associations

IMDG: International Maritime Dangerous Goods code

NFPA: National Fire Protection Association

PBT: Persistent, Bioaccumulative, Toxic

RCRA: The Resource Conservation and Recovery Act

UN N^o.: United Nations Number

UVCB: Substances of Unknown or Variable composition, Complex reaction products or Biological materials

vPvB: very Persistent and very Bioaccumulative

WHMIS: Workplace Hazardous Materials Information System

16.3. Key literature references and sources for data

Not available

16.4. Classification of mixtures und applied evaluation method

The classification is determined and evaluated according to the classification criteria of the Dangerous Preparations Directive 1999/45/EC.

16.5. Wording of the R- and H- phrases (which are not written in full under section 2 to 15)

Risk phrases: -

H statements: -



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16.6. Training advice

None

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. By using suitable industrial safety precautions, it is paramount to make sure that the relevant exposition measures at the work place are adhered to, and negative health effects are avoided.