CELLORAMA®

CellO®-IF2

All-in-One IF Labeling Reagent for Cells

SAFETY DATA SHEET

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

1.1 Identification
Product form: Mixture
Product Name: CellO-IF2
Catalog Number: 24822

1.2 Recommended use and Restriction on use

Use of substance/mixture: For laboratory and manufacturing use only
Recommended use: Laboratory chemicals
Restrictions on use: Not for good, drug or household use

1.3 Supplier
Company:
Cellorama LLC Telephone: + 1 617 615 5071
70 Lodge Street, Milton, MA, 02186
info@celloramatech.com - www.celloramatech.com

1.4 Emergency Telephone number
Emergency Tel: + 1 617 615 5071

2. HAZARDS IDENTIFICATION

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). According to the OSHA Hazard Communications Standard (CFR 1910.1200), if a mixture contains less than 1% of a hazardous chemical or 0.1% of a carcinogen, the mixture shall not be considered hazardous. However, precautions for handling potentially dangerous reagents should be practiced when using these products.

The hazards identified with this product are those associated with 0.03% (w/v) sodium azide and %0.1 (v/v) Triton-X 100; which are present at very low concentration as declared.

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [GHS/CLP]

Flammable liquids - Category 1
Acute Toxicity, oral - Category 3
Acute Toxicity, dermal - Category 3
Serious eye damage/eye irritation - Category 1
Acute Toxicity, inhalation - Category 1
Specific Target Organ Toxicity, SE, Narcotic Effects - Category 1
Chronic, Aquatic Toxicity - Category 1

2.2 Label elements
Labeling according to Regulation (EC) No 1272/2008 [CLP]
Pictogram(s):

Signal word: Warning
Hazard statement(s):

H302 Harmful if swallowed
H315 Harmful in contact with skin
H318 Causes serious eye damage
H332 Harmful if inhaled
H336 May cause drowsiness or dizziness
H410 Harmful to aquatic life with long lasting effects

Precautionary statement(s):

P260 Do not breathe dust/fume/gas/mist/vapours/spray
P264 Wash hands thoroughly after handling
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302+352 IF ON SKIN: Wash with soap and water
P303+361+353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present

and easy to do so - continue rinsing
P391 Collect spillage.
P501 Dispose of contents/ container to an approved waste disposal plant.

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause irritation.
NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.

Hazard Rating
Health: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability: 0 Minimal Hazard - Materials that will not burn
Physical: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection: B - Safety glasses, Gloves

2.3 Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Product Name: CellO®-IF2

4. FIRST AID MEASURES

4.1 Description of first aid measures
General advice: Consult a doctor and show this safety data sheet.
If inhaled: Remove to fresh air and monitor breathing. Consult a doctor immediately for first aid instructions if necessary.
In case of skin contact: Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Consult a doctor immediately.
In case of eye contact: Flush with copious amounts of water for at least 15 minutes. Consult a doctor immediately.
If swallowed: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Consult a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed
To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

4.3 Indication of immediate medical attention and special treatment needed
Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

5. ACCIDENTIAL RELEASE MEASURES

5.1 Personal precautions, protective equipment and emergency procedures
Do not take action without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas. Sweep up and shovel into suitable containers for disposal.
5.2 Environmental precautions. Do not let product enter drains. Should not be released to the environment.
5.3. Fire-fighting measures
i. Be aware that sodium azide is at low concentration but may emit toxic fumes under fire conditions.
ii. Be aware that Triton-X 100 is at low concentration but special hazard may arise from the substance, mixture.
Carbon oxides
Combustible.
Vapors are heavier than air and may spread along floors.
Forms explosive mixtures with air on intense heating.
Development of hazardous combustion gases or vapours possible in the event of fire.
iii. Advice for firefighters
Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
iv. Further information
Prevent fire extinguishing water from contaminating surface water or the ground water system.

v. Suitable Extinguishing Media Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.
vi. Unsuitable Extinguishing Media No information available
vii. Flash Point No information available
viii. Autoignition Temperature Not applicable
ix. Explosion Limits
Upper No data available
Lower No data available
x.Sensitivity to Mechanical Impact No information available
xi. Sensitivity to Static Discharge No information available
xii. Specific Hazards Arising from the Chemical: Thermal decomposition can lead to release of irritating gases and vapors.
xiii. Hazardous Combustion Products. Nitrogen oxides (NOx). Carbon monoxide (CO). Carbon dioxide (CO2).
xiv. Protective Equipment and Precautions for Firefighters. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gell
xv. NFPA: Health:0, Flammability:1, Instability:1,Physical hazards: N/A

6. METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

6.1 Cover spillage with suitable absorbent material. Sweep up material and place in an appropriate container. Hold all material for appropriate disposal as described under section 13 of SDS.
6.2 Reference to other sections
For required PPE see section 8. For disposal see section 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Wear personal protective equipment/face protection. Use in a chemical fume hood, with air supplied by an independent system. Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged or repeated exposure.
7.2 Conditions for safe storage, including any incompatibilities.
Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use.
Recommended storage temperature: Store at 4°C. For long term storage, aliquote and freeze at -20°C
7.3 Specific end uses
Use in a laboratory fume hood where possible. Refer to employer's COSHH risk assessment.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Components with workplace control parameters
Contains no substances with occupational exposure limit values.
8.2 Exposure controls
Appropriate engineering controls
Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place.
Ensure laboratory is equipped with a safety shower and eye wash station.
Personal protective equipment
Eye/face protection: Use appropriate safety glasses.
Skin protection: Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.
Body protection: Wear appropriate protective clothing.
Respiratory protection: If risk assessment indicates necessary, use a suitable respirator

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: Liquid
Appearance: Colorless
Vapor pressure: No data available
Odor: None
Vapor density No data available
Odor threshold: No data available
Relative density: No data available
pH: No data available
Solubility(ies) No data available
Melting / freezing point: No data available
Partition coefficient: No data available
Boiling point / range: No data available
Auto-ignition temperature: No data available
Flash point: No data available
Decomposition temperature: No data available
Evaporation rate: No data available
Viscosity: No data available
Flammability (solid, gas): No data available
Explosive properties: No data available
Oxidising properties: No data available
9.2 Other safety information
No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available.
10.2 Chemical stability: Stable under recommended transport and storage conditions.
10.3 Possibility of hazardous reactions: Not established. Violent reactions possible with strong oxidizing agents, strong acids.
10.4 Conditions to avoid: Strong heating, moisture, direct sunlight.
10.5 Incompatible materials: Strong acids/alkalis, strong oxidizing/reducing agents, copper, lead.
10.6 Hazardous decomposition products: In combustion may emit toxic fumes. No known decomposition information.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute Toxicity: No data available
Skin corrosion/irritation: Classified based on available data
Serious eye damage/irritation: Classified based on available data
Respiratory or skin sensitization: Classified based on available data
Mutagenicity: Classified based on available data
Carcinogenicity: Classified based on available data.
Reproductive toxicity: Classified based on available data
Specific target organ toxicity - single exposure: Classified based on available data
Specific target organ toxicity - repeated exposure: Classified based on available data
Aspiration hazard: Classified based on available data
Sensitization: No information available
Teratogenicity: No information available
STOT-single exposure & STOT-repeated exposure: None known

Symptoms / Routes of exposure

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing. Absorption through the lungs can occur causing symptoms similar to those of ingestion. There may be shortness of breath.
Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. Blood may be vomited. There may be vomiting and diarrhea.
Skin: Irritation or pain may occur at the site of contact. There may be redness or whiteness of the skin in the area of exposure. Absorption through the skin may be harmful.
Eyes: There may be pain and redness. The vision may become blurred. The eyes may water profusely. Absorption through the eye may cause effects similar to skin contact and/or ingestion.
Delayed / Immediate Effects: Immediate effects can be expected after short-term exposure.
Additional Information
RTECS No: Not available
Exposure may cause irritation of eyes, mucous membranes, upper respiratory tract and skin.
To the best of our knowledge, the chemical, physical and toxicological properties, and adverse effects have not been fully investigated. Ingestion of large amounts may cause Nausea, Diarrhea.

12. ECOLOGICAL INFORMATION

12.1 Toxicity: No data available
12.2 Persistence and degradability: No data available
12.3 Bioaccumulative potential: No data available
12.4 Mobility in soil: No data available
12.5 Results of PBT and vPvB assessment: No data available
12.6 Other adverse effects: May be toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Part 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Product - Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with National legislation.

Contaminated packaging- Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with National legislation.

Ecology-waste materials-Avoid release to the environment.

14. TRANSPORT INFORMATION

Not dangerous goods. Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID and IATA.
14.1 UN-Number: Does not meet the criteria for classification as hazardous for transport.
14.2 UN proper shipping name: Does not meet the criteria for classification as hazardous for transport.
14.3 Transport hazard class(es): Does not meet the criteria for classification as hazardous for transport.
14.4 Packaging group: Does not meet the criteria for classification as hazardous for transport.
14.5 Environmental hazards: This product is not classified as environmentally hazardous according to the UN Model Regulations, nor a marine pollutant according to the IMDG Code.
14.6 Special precautions for users: No data available
14.7. Air transport-Not regulated, Transport by sea-Not subject

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: No data available

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been made for this product.

15.3. California Proposition 65: This product does not contain any Proposition 65 chemicals.

15.4. U.S. Department of Homeland Security: This product does not contain any DHS chemicals.

16. OTHER INFORMATION

Cellorama LLC shall not be held liable for any damage resulting from handling or from contact with the above product. To the best our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. The 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 process, unless specified in the text. Always consult your safety advisor and follow appropriate local and national safety legislature. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet