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## MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet (MSDS) has been written in accordance with the European Union Council Directive 98/24/EC of 7th April on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual directive within the meaning of Article 16(1) of the Directive 89/391/EEC).

Commission Directive 2001/58/EC of 27<sup>th</sup> July 2001 amending for the second-time Directive 91/155/EEC defining and laying own the detailed arrangements for the system of information relating to dangerous preparations in implementation of Article 14 of the European Parliament Directive 1999/45/EC and relating to dangerous substances in Implementation of Article 27 of Council Directive 67/548/EEC (safety data sheets). (Text with EEA relevance). Appropriate risk and safety phrases are cited in this MSDS.

### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

#### **1.1 Product identifiers**

Product name: instaCELL IL-2 potency assay kit

Product Number: SF350-01

IL-2 Reference Standard  
**Recombinant Human IL-2**

#### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

The product is for research only and must not be used for diagnostic or therapeutic use.

#### **1.3 Details of the supplier of the safety data sheet**

acCELLerate GmbH

Osterfeldstraße 12-14

22529 Hamburg

Telephone: 040 33 464 73 00

Fax: 040 6337 0309

#### **1.4 Emergency telephone number**

Emergency Phone: 040 33 464 73 00

### **SECTION 2: Hazards identification**

- 2.1 Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008
- 2.3 GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.
- 2.4 Special hazards:** None

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**SECTION 3: Composition/information on ingredients**

**3.1 Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures:**

**Eye contact:** May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

**Skin contact:** May cause skin irritation. Immediately flush with plenty of water.

**Inhalation:** No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

**Ingestion:** No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention

**SECTION 5: Firefighting measures**

**5.1 Classification of substance or mixture:** The product is non-flammable.

**5.2 Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.3 Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

**6.2 Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

**SECTION 7: Handling and storage**

**7.1 Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

**7.2 Storage:** Keep tightly closed. Store at -20°C until use.

**7.3 Additional information:** See product data sheet for more information on handling and storage.

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**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters:** Contains no substances with occupational exposure limit values.

**8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.

**8.3 Personal precautions:**

Eye: Wear appropriate eye protection.

Skin: Wear clothing and gloves that cannot be penetrated by chemicals or oil.

Inhalation: Respiratory equipment is not required

**SECTION 9: Physical and chemical properties**

**9.1 Description of chemical and physical properties:**

Appearance: Solid; white powder or thin/invisible film

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

**SECTION 10: Stability and reactivity**

**10.1 Stability:** Stable under recommended storage conditions.

**10.2 Conditions to avoid:** Heat and moisture

**10.3 Materials to avoid:** Strong oxidizing agents

**10.4 Hazardous decomposition:** None determined

**10.5 Hazardous polymerization:** Does not spontaneously polymerize

**10.5 Incompatible materials:** Strong acids

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**SECTION 11: Toxicological information**

**11.1 Potential health effects:**

**Eye contact:** May cause eye irritation.

**Skin contact:** May cause skin irritation.

**Inhalation:** May be harmful if inhaled. May be irritating to mucous membranes.

**Ingestion:** May be harmful if swallowed.

**Carcinogenicity:** None

**Reproductive toxicity:** None

**Mutagenicity:** None

**Sensitization:** None

**SECTION 12: Ecological information**

**12.1 Ecotoxicity:** Undetermined

**12.2 Biodegradability:** Undetermined

**12.3 Mobility:** Undetermined

**12.4 Bioaccumulation:** Undetermined

**SECTION 13: Disposal considerations**

**13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

**SECTION 14: Transport information**

**14.1 Transport information:**

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

**SECTION 15: Regulatory information**

**15.1 US Federal and State Regulations:**

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

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US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory OSHA Hazard Communication Standard: Non-hazardous California Proposition 65: Not listed on California's listing of known or potential carcinogens.

### **15.2 Additional Regulations:**

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

## **SECTION 16 OTHER INFORMATION**

**16.1 Disclaimer:** Not for human use.

**16.2 Note to reader:** This SDS and the information it contains is offered in good faith as accurate and complete.

We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness.

Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

In the event of an accident involving exposure of a person to the material contained in the samples, contact acCELLerate during normal German working hours. Refer to section 1 for full contact details.

The above information is correct to the best of our knowledge. All materials and mixtures may present unknown hazards and should be used with caution.

The user should make independent assessments and decisions regarding the completeness of the information based on all sources available.

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

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifiers**

Product name: instaCELL IL-2 potency assay kit

Product Number: SF350-01

**Resazurin**

CAS-No.: 62758-13-8

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

The product is for research only and must not be used for diagnostic or therapeutic use.

**1.3 Details of the supplier of the safety data sheet**

acCELLerate GmbH

Osterfeldstraße 12-14

22529 Hamburg

Telephone: 040 33 464 73 00

Fax: 040 6337 0309

**1.4 Emergency telephone number**

Emergency Phone: 040 33 464 73 00

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Skin irritation, Category 2; H315

Eye irritation, Category 2; H319

Specific Target Organ Toxicity (single exposure), Category 3; H335

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### 2.2 GHS Label elements, including precautionary statements

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS – none

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a POISON CENTER or doctor if you feel unwell.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Synonyms: 7-Hydroxy-3H-phenoxazin-3-one-10-oxide sodium salt

Formula: C<sub>12</sub>H<sub>6</sub>NNaO<sub>4</sub>

Molecular weight: 251.17 g/mol

CAS-No.: 62758-13-8

EC-No.: 263-718-5

No components need to be disclosed according to the applicable regulations.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact:** Wash off with soap and plenty of water.

**In case of eye contact:** Flush eyes with water as a precaution.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

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

**5.2 Special hazards arising from the substance or mixture**

Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Sodium oxides

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further information**

No data available

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Avoid dust formation. Avoid breathing vapors, mist, or gas. For personal protection see section 8.

**6.2 Environmental precautions**

No special environmental precautions required.

**6.3 Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For disposal see section 13.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

**7.2 Conditions for safe storage, including any incompatibilities**

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

Storage class (TRGS 510): 13: Non-Combustible Solids

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated



**SECTION 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**

General industrial hygiene practice.

**Personal protective equipment****Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection****Body Protection****Control of environmental exposure**

No special environmental precautions required.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

No Data available

**9.2 Other safety information**

No data available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

Strong oxidizing agents

**10.6 Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Sodium oxides

Other decomposition products - No data available

In the event of fire: see section 5.

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**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

No data available

**SECTION 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**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects**

No data available

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14: Transport information**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**SECTION 15: Regulatory information**

No data available

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**SECTION 16 OTHER INFORMATION**

THE INFORMATION PRESENTED IN THIS DOCUMENT IS BELIEVED TO BE CORRECT BASED UPON DATA AVAILABLE TO ACCELERATE. USERS SHOULD MAKE AN INDEPENDENT DECISION REGARDING THE ACCURACY OF THIS INFORMATION BASED ON THEIR NEEDS AND DATA AVAILABLE TO THEM. ALL SUBSTANCES AND MIXTURES MAY PRESENT UNKNOWN HAZARDS AND ALL NECESSARY SAFETY PRECAUTIONS SHOULD BE TAKEN. ACCELERATE ASSUMES NO LIABILITY RESULTING FROM USING OR COMING IN CONTACT WITH THIS SUBSTANCE.

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The user should make independent assessments and decisions regarding the completeness of the information based on all sources available.

acCELLerateshall not be held liable for any damage resulting from handling or contact with the above product.

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