

Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Catalog Number: PRB-5217
 Product Name: ADHP Assay Stop Reagent
 Recommended Use: Laboratory Research Reagents

MANUFACTURER:

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SECTION 2. HAZARDS IDENTIFICATION

Classification:

- Acute toxicity – oral 3 (H301)
- Acute toxicity – dermal 3 (H311)
- Acute toxicity – inhalation 3 (H331)
- Germ cell mutagenicity 2 (H341)
- Carcinogenicity 1B (H350)
- Reproductive toxicity 2 (H361)
- Specific target organ toxicity (single exposure) 1 (H370)
- Specific target organ toxicity (repeated exposure) 2 (H373)
- Eye damage 1 (H318)
- Aquatic Chronic 2 (H411)
- Skin irritation (H315)
- Sensitization – skin 1 (H317)
- Specific target organ toxicity (single exposure) 3 (H335)

Pictogram	
Signal Word	Danger
<p>Hazard Statements: Toxic if swallowed (H301), Toxic in contact with skin (H311), Toxic if inhaled (H331), Suspected of causing genetic defects (H341), May cause cancer (H350), Suspected of damaging fertility or the unborn child (H361), Causes damage to organs (H370), May cause damage to organs through prolonged or repeated exposure (H373), Causes serious eye damage (H318), Toxic to</p>	

aquatic life with long lasting effects (H411), Causes skin irritation (H315), May cause an allergic skin reaction (H317), May cause respiratory irritation (H335).

Precautionary Statements: Obtain special instructions before use (P201), Do not handle until all safety precautions have been read and understood (P202), Do not breathe dust/fume/gas/mist/vapors/spray (P260), Wash thoroughly after handling (P264), Do not eat, drink or smoke when using this product (P270), Use only outdoors or in a well-ventilated area (P271), Contaminated work clothing must not be allowed out of the workplace (P272), Avoid release to the environment (P273), Wear protective gloves/protective clothing/eye protections/face protection/hearing protection (P280), If swallowed: Immediately call a posion center/doctor (P301+P310), Specific treatment (see on this label) (P321), Rinse mouth (P330), If on skin: Wash with plenty of water (P302+P352), If inhaled: Remove person to fresh air and keep comfortable for breathing (P304+P340), If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Coninue rinsing (P305+P351+P338), If exposed or concerned: Get medical advice/attention (P308 + P313), Call a poson center/doctor if you feel unwell (P314), Take off immediately all contaminated clothing and wash it before reuse (P361+P364), If skin irritation or rash occurs: Get medical advice/attention (P333+P313), Collect spillage (P391), Store in a well-ventilated place. Keep container tightly closed (P403+P233), Store locked up (P405), Dispose of contents/container in accordance with loal/regional/national/international regulations (P501).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CONCENTRATION	CAS #
Proprietary	Solid	

SECTION 4. FIRST-AID MEASURES

- General information: Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Remove breathing apparatus only after contaminated clothing have been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration.
- After inhalation: Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Do not induce vomiting; immediately call for medical help.
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5. FIRE-FIGHTING MEASURES

- Extinguishing media
- Suitable extinguishing agents:

- Use fire fighting measures that suit the environment. A solid water stream may be inefficient.
- Special hazards arising from the substance or mixture. No further relevant information available.
- Advice for firefighters
- Protective equipment: Mouth respiratory protective device.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures
- Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
- Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up: Use neutralizing agent. Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.
- Protective Action Criteria for Chemicals
- PAC-1:15 ppm
- PAC-2:96 ppm
- PAC-3:570 ppm
- Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7. SAFETY HANDLING AND STORAGE

- Precautions for safe handling
- Thorough dedusting.
- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- Information about protection against explosions and fires: Keep respiratory protective device available.
- Conditions for safe storage, including any incompatibilities · Storage: Store in accordance with information listed on the product insert.
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Control parameters
- Components with limit values that require monitoring at the workplace:
- REL Long-term value: 20 mg/m³, 5 ppm Skin
- TLV Long-term value: 23 mg/m³, 5 ppm Skin, A3
- Additional information: The lists that were valid during the creation were used as basis.

- Appropriate engineering controls No further data; see section 7.
- Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the skin. Avoid contact with the eyes and skin.
- Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
- Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Tightly sealed goggles

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form: solid
- Odor: Characteristic
- pH: no data available
- Boiling point / range: 245 °C (473 °F)
- Melting point / range: 105–107 °C (221–224.6 °F)
- Flash point: 127 °C (260.6 °F)
- Auto igniting: 510 °C (950 °F)
- Decomposition temperature: Not determined
- pH-value: Not applicable
- Solubility: Proprietary
- Kinematic: Not applicable
- Dynamic: Not applicable
- Solubility in /Miscibility with Water at 20°C: Proprietary
- Partition coefficient (n-octanol/water): not determined
- Vapor pressure at 20°C: Proprietary
- Vapor pressure at 50°C: Proprietary
- Density at 20°C: Proprietary
- Relative density: Not determined
- Vapor density: not applicable
- Particle characteristics: not determined
- Appearance form: solid
- Ignition temperature: not determined

- Danger of explosion: Product does not present an explosion hazard
- Evaporation rate: Not applicable.

SECTION 10. STABILITY AND REACTIVITY

- Reactivity No further relevant information available. ·
- Chemical stability ·
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. ·
- Possibility of hazardous reactions: No dangerous reactions known. ·
- Conditions to avoid No further relevant information available. ·
- Incompatible materials: No further relevant information available. ·
- Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11. TOXICOLOGICAL INFORMATION

- RTECS Number UX1050000 ·
- Information on toxicological effects ·
- Acute toxicity: LD/LC50 values that are relevant for classification:
- Oral TDLO 48 mg/kg (rat) LD50 100 mg/kg (mouse) 260 mg/kg (rat)
- Dermal LD50 800 mg/kg (rabbit)
- Subcutaneous LD50 247 mg/kg (mouse) 110 mg/kg (rat)
- Primary irritant effect on the skin: Irritant to skin and mucous membranes. ·
- Primary irritant effect on the eye: Strong irritant with the danger of severe eye injury. ·
- Sensitization: Sensitization possible through skin contact. ·
- Additional toxicological information: ·
- Interactive effects No interactive effects between components are known.
- Carcinogenic categories
IARC (International Agency for Research on Cancer) 2B
- NTP (National Toxicology Program) Substance is not listed. ·
- OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed. ·
- Alternative sources for toxicological information No non-standard sources for toxicological information where used.

SECTION 12. ECOLOGICAL INFORMATION ·

- Aquatic toxicity: No further relevant information available. ·
- Persistence and degradability No further relevant information available. ·
- Bioaccumulative potential No further relevant information available. ·
- Mobility in soil No further relevant information available. ·
- Results of PBT and vPvB assessment ·
- PBT: Not applicable. ·
- vPvB: Not applicable. ·
- Other adverse effects ·
- Remark: Toxic for fish ·
- Additional ecological information: ·

- General notes: Water hazard class 3 (Assessment by list): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities. Must not reach bodies of water or drainage ditch undiluted or unneutralized. Danger to drinking water if even extremely small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

SECTION 13. DISPOSAL CONSIDERATIONS

- Waste treatment methods ·
- Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. ·
- Uncleaned packagings: ·
- Recommendation: Disposal must be made according to official regulations

SECTION 14. TRANSPORT INFORMATION - IATA

- Hazard Class: Not Hazardous

SECTION 15. REGULATORY INFORMATION

- Safety, health and environmental regulations/legislation specific for the substance or mixture ·
- Sara ·
- Section 355 (extremely hazardous substances): Substance is not listed. ·
- Section 313 (Specific toxic chemical listings): Substance is listed. ·
- TSCA (Toxic Substances Control Act): ACTIVE ·
- Hazardous Air Pollutants Substance is listed. ·
- Chemicals known to cause cancer: Substance is listed. ·
- Chemicals known to cause reproductive toxicity for females: Substance is not listed. ·
- Chemicals known to cause reproductive toxicity for males: Substance is not listed. ·
- Chemicals known to cause developmental toxicity: Substance is not listed. ·
- Carcinogenic categories ·
- EPA (Environmental Protection Agency) Substance is not listed. ·
- TLV (Threshold Limit Value) A3 ·
- NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed. ·
- National regulations: ·
- Information about limitation of use:
- Workers are not allowed to be exposed to this hazardous material. Exceptions can be made by the authorities in certain cases. ·
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide for experienced personnel. Cell Biolabs, Inc. shall not be held liable for any damage resulting from the handling or from contact with the above product(s).

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