



## Material Safety Data Sheet

The following components of ProZyme products are of the composition described below.

Component	Product Code	Product Name
M3 Re-N-Acetylation Reagent (WS0074)	GK50102	Monosaccharide Composition Hydrolysis Reagent Pack
H3 Re-N-Acetylation Reagent (WS0157)	GK50202	GlycoRelease™ Glycan Hydrazinolysis Kit

Composition	Acetic anhydride
CAS #	108-24-7
Hazard identification	Combustible (USA). Flammable (EU). Corrosive. Reacts violently with water. Harmful by inhalation and if swallowed. Lachrymator.
First aid measures	IF IN DOUBT SEEK MEDICAL ADVICE. Immediately remove any clothing soiled by product. Symptoms may be delayed, medical observation for 48 hours following exposure is recommended. In case of contact: <b>Eyes and skin</b> - irrigate with plenty of water for at least 15 minutes. <b>Ingestion</b> - drink plenty of water. OBTAIN MEDICAL ATTENTION <b>Inhalation</b> - move to a well ventilated area and clear nose and throat; if needed provide artificial respiration. Keep patient warm.
Fire fighting measures	Carbon dioxide, dry chemical powder powder or appropriate foam. Do not use water. Specific hazards: Combustible liquid. Emits toxic fumes under fire conditions.
Accidental release measures	Wear appropriate protective clothing. Absorb with liquid binding material. Collect and keep in a closed container and hold for disposal (see below). Ventilate and wash spill site after material pickup is complete.
Handling/exposure controls	Handle in accordance with Good Laboratory Practice. Use only in a chemical fume hood. Wear appropriate protective clothing (safety spectacles, gloves, laboratory coat). Ensure good ventilation.
Storage	Store at room temperature in a cool dry place. Keep tightly closed. Keep away from heat and open flame.

Physical/chemical properties	Colorless liquid. Melting Point: -73°C. Boiling Point: 139°C. Flash Point: 49°C (120° F). Explosion limits: 2.74 (lower), 10.3% (upper).
Stability and reactivity	Stable. Do not allow water to enter container because of violent reaction.
Toxicological information	Causes burns. Harmful if swallowed or inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. May be harmful if absorbed through the skin. Lachrymator. To the best of our knowledge, the toxicological, carcinogenic and mutagenic properties have not been thoroughly investigated.
Ecological information	Data not available.
Disposal information	Clean up with absorptive material and hand over to hazardous waste disposers. Dispose of according to local regulations. Do not allow to reach sewage system.
Transport information	Contact ProZyme for transportation information.
Regulatory information	CAS # 108-24-7 is listed on the TSCA inventory.

The above information is supplied in good faith and is believed to be correct. It does not claim to be all-inclusive and is intended to be used only as a guide. Final determination of the suitability of any material is the sole responsibility of the user. ProZyme shall not be held liable for any damage resulting from handling or contact with the above product. This product is intended for *in vitro* research only.