

**EMERGENCIES AND INCIDENTS
IMMEDIATE ACTION INFORMATION
Guide UN47 –Genetically Modified Micro-Organisms**

Reference: SAA/SNZ HB76: 2004 Dangerous Goods Initial Emergency Response Guide

GUIDE 47	LOW TO MODERATE HAZARD SUBSTANCES
HAZARDS	
Fire or Explosion	<ul style="list-style-type: none"> • May burn but do not ignite readily • Runoff may pollute waterways • Fire may produce irritating and poisonous and/or corrosive fumes. • Containers may explode when heated.
Health	<ul style="list-style-type: none"> • Inhalation or contact with substance may be harmful. • Inhalation of asbestos dust may damage lungs. • Runoff from fire control or dilution water may pollute waterways. • Substances may be stored or transported hot- Contact with substance may result in severe burns.
PROTECTIVE CLOTHING	
	<ul style="list-style-type: none"> • Wear SCBA and structural firefighters uniform.
PUBLIC SAFETY	
	<ul style="list-style-type: none"> • Spill or leak area should be isolated immediately for at least 10 m in all directions. • Keep unauthorised personnel away. • Keep upwind and to the higher ground.
Evacuation	Fire <ul style="list-style-type: none"> • When a large quantity of this material is involved in a major fire, consider initial evacuation for 100 m in all directions.

GUIDE 47		LOW TO MODERATE HAZARDOUS SUBSTANCES
EMERGENCY	RESPONSE	
Fire	<p>Small Fire.</p> <ul style="list-style-type: none"> • Use dry chemical, CO₂, water spray or foam. <p>Large Fire.</p> <ul style="list-style-type: none"> • Use water spray, fog or foam. • If safe to do so, move undamaged containers from the fire area. • Cool containers with flooding quantities of water until well after fire is out. <p>Fire Involving tanks</p> <ul style="list-style-type: none"> • Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank. • ALWAYS stay away from tank ends 	
Spill or Leak	<ul style="list-style-type: none"> • Do not touch or walk through spilled material. • Stop leak if safe to do so-Prevent entry into waterways, drains or confined areas. • Water spray may be used to knock down or divert vapour clouds. • Prevent dust cloud. • Avoid inhalation of asbestos dust. • SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL 	
First Aid	<ul style="list-style-type: none"> • Remove victim to fresh air – Apply resuscitation if victim is not breathing-Administer oxygen if breathing is difficult. • Remove and isolate contaminated clothing and shoes immediately. • Remove material from skin immediately. • In case of contact with material, immediately flush eyes or skin with running water for at least 15 minutes. • Shower and wash with soap and water. • Keep victim warm and quiet – Obtain immediate medical care. • Ensure that attending medical personnel are aware of identity and nature of the product(s) involved, and take precautions to protect themselves. 	