

## INTRODUCTION AND USE

Low Temperature Thermite (LTT) is a temperature moderated thermite designed specifically for direct contact with explosives. It has been designed to ignite explosives and propellants in Explosive Ordnance Disposal (EOD) tasks with reduced risk of detonation when compared with other thermite mixtures. LTT is supplied premixed (130 gram), in a plastic bag. UN transport DG classification 4.1 – flammable solid.

## LIMITATIONS OF USE AND GENERAL SAFETY

LTT is not intended to burn through case materials, It can however, burn through thin fuze pocket liners to ignite the HE filling. LTT can be placed in direct contact with HE materials. The Disarmco TIS starter, is the only starting method recommended for LTT. Only Explosive Ordnance Disposal (EOD) operators or those who have the necessary competence/training should use this thermite device. Before using LTT, personnel unfamiliar with thermal EOD techniques should undertake a course of training.

## STANDARD OPERATING PROCEDURE (SOP)/INSTRUCTIONS

1. These instructions are not intended for standalone use; they are for inclusion into relevant customer SOPs.
2. Read also, the Information/SOP sheet for the Disarmco TIS starter.
3. Prepare the TIS starter by first opening the bag at the cable end (Fig 1), withdraw the starter slightly from its bag and holding the wires close to the TIS body gently extent the coiled wires (Fig 2). Insert the TIS back into its bag so it is fully in contact with the closed end of the bag (Fig 3). Place the cable tie provided around the bag at the point where the wires enter the TIS body and secure the cable tie (Fig 4). Cut the excess end of the cable tie (Fig 5).
4. To ensure the LTT remains dry, only remove the LTT bag from the bulk packing when use is imminent, keep LTT bags dry.
5. Remove the elastic bands (retain) from the LTT pack (Fig 6) and carefully open bag.
6. Gently mix the partials by moving the mixture around in the bag to ensure an even mix
7. Place the TIS into the LTT bag horizontally and submerge in the LTT mixture such that the TIS is surrounded by the LTT powder (Fig 7), then roll the excess bag around the TIS/LTT form (Fig 8), secure with rubber bands provided with the LTT (Fig 9).
8. Place the LTT bag directly onto the energetic material to be destroyed by burning.
9. For connection of firing cable, read the Disarmco TIS Information/SOP sheet.



Fig 1



Fig 2



Fig 3



Fig 4



Fig 5



Fig 6



Fig 7



Fig 8



Fig 9