

Customer Disposal of UDO True Write Once, Compliant Write Once and Rewritable 5.25 inch Optical Media

Disposal regulations vary from country to country and can change over a period of time. For these reasons we consider it best to offer information of disk chemical composition rather than disposal requirements. From this information it should be possible to assess the media against local regulations.

In terms of handling a damaged disk, the principle concern is the toxicity of the sputtered alloy layer.

However, the alloy layer is so thin that it contains very little material and the contents are in elemental form (which is considered safer than compounds). In the very unlikely event that a disk gets broken, the pieces can be safely handled and wrapped in paper or plastic before disposal. We recommend that hands are washed after handling a broken disk.

UDO 5.25 INCH TRUE WRITE ONCE, COMPLIANT WRITE ONCE AND REWRITABLE DISK CONSTITUENT PARTS (All weights are approximate)

DISK, HUB AND CARTRIDGE CONSTITUENTS

	WEIGHT	PERCENTAGE
MEDIA PLATTER	43 gms	25%
CARTRIDGE	<u>132 gms</u>	<u>75%</u>
	<u>175 gms</u>	<u>100%</u>

MEDIA PLATTER (TYPICAL & CONSTITUENTS)

	WEIGHT (gms.)	PERCENTAGE
POLYCARBONATE	140.0	80%
POLYCARBONATE AND STAINLESS STEEL HUB	4.6	3%
ADHESIVE	4.0	2%
STAINLESS STEEL SCREWS AND SPRINGS	2.8	2%
STAINLESS STEEL SHUTTER AND RETAINER	22.6	13%
SPUTTERED LAYER (approx 0.1% of total weight)	<u><0.1</u>	<u><0.1%</u>
TOTAL	<u>175</u>	<u>100%</u>

PERMANENT DESTRUCTION OF DATA ON UDO 5.25 INCH OPTICAL MEDIA

True Write Once, Compliant Write Once and Rewritable technology is specifically designed to be robust and long lasting. Hence, special actions are necessary to completely destroy written data.

To make a disk completely unreadable, it must be fractured into several pieces, these must be detached from the surface. If they are not, there is a very small chance that the data could be read in a specially engineered drive.

The media is manufactured from polycarbonate and is protected by a polycarbonate cartridge. To break the disk it is necessary to remove the disk from the cartridge. A hammer and/or sharp instrument can then be used to fracture the disk surface in several places. The disk should be placed in an appropriate container during the breakage operation for safety reasons. For final disposal particular care must be taken to minimise the risk of injury from sharp edges. If the media can be returned 'intact', then Plasmon UK is prepared to accept them for disposal through our own established system. We are also prepared to destroy media under supervised conditions at our site.

The cartridge can be recycled.

The disk's sensitive layer is made up of a tellurium, antimony, tin, indium, germanium alloy. Whilst it is not highly toxic, we recommend that precautions are taken to prevent ingestion of the substances (i.e. normal good hygiene practices).

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