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Original: 2/27/2006

**R19 07/22/19**

**Sponsor: Richard Nazario**

**Director of Quality and Regulatory Compliance:**

**Astrodyne TDI RoHS 3  
2015/ 863  
Policy Statement**

**Statement:**

Astrodyne TDI Catalog Power Supplies comply with regulation regarding restricted substances as defined in RoHS 2015/863 (RoHS 3). Our efforts are aimed at providing our customers with the best quality, environmentally friendly products available in the global power supply market today. This is accomplished through the use of internal processes and due diligence to effectively survey and manage our supply chain. We will continue to monitor for changes in the existing regulation and implement all new environmental statutory requirements to ensure our customers are provided with regulatory approved and legislation compliant products. We will continue to query our suppliers and vendors on their compliance to this standard and have asked them also to monitor for changes and their compliance. They have been requested to inform Astrodyne TDI if any changes results in their non-compliance to these standards so we can take action.

**RoHS 2015/863 RoHS 3 Regulation:**

The amendment to Directive 2002/95/EC was published as **Directive 2015/863** on March 31, 2015. This directive referred to as ROHS 3 restricts the use of four additional substances as below:

- Bis(2-ethylhexyl)phthalat (DEHP) (0,1 %)
- Butylbenzylphthalat (BBP) (0,1 %)
- Dibutylphthalat (DBP) (0,1 %)
- Diisobutylphthalat (DIBP) (0,1 %)

The new Directive came into effect on July 22, 2019.

**RoHS 2011/65/EC RoHS 2 Regulation:**

The RoHS Directive 2002/95/EC, also referred to as RoHS 1, went into effect on July 1, 2006.

This restricted the use of certain hazardous substances in Electrical and Electronic Equipment (EEE). On July 21, 2011 the RoHS Directive 2011/65/EU, also known as RoHS 2, went into effect. RoHS2 is a recast of RoHS1 with an expanded scope over the previous initiative. Replaced RoHS1 1/2/13. Same as RoHS1, RoHS2 restricts the use of 6 hazardous substances (above a specified threshold) that can be found in Electrical and Electronic Equipment.

These substances are:

- Lead – (Pb)  $\leq 0.1\%$  by weight
- Mercury – (Hg)  $\leq .1\%$  by weight
- Cadmium – (Cd)  $\leq .01\%$  by weight
- Hexavalent Chromium (CR+6)  $\leq 0.1\%$  by weight
- Polybrominated Biphenyls (PBB)  $\leq 0.1\%$  by weight
- Polybrominated Diphenyl Ethers (PBDE)  $\leq 0.1\%$  by weight

As of 1/2/2013, the CE mark on a product also declares that the product is compliant to RoHS2 requirements.

## **Exceptions:**

Units which customers purposely purchase having Lead Solder.

## **China RoHS:**

In addition to the EC RoHS Directive, Astrodyne TDI Catalog Power Supplies also meet the requirements of the China RoHS Directive of “2/27/2006 (SJ/T 11363-2006)”.

In this directive, essentially the same substances are restricted as in RoHS2.

For many products, compliance to this standard is required for selling products in China. All Astrodyne TDI products, with the few exceptions listed on the Astrodyne declaration, meet the requirements of this regulation.

## **Approach and actions taken for both RoHS 3 & China RoHS:**

Astrodyne TDI works to consistently conduct due diligence and regulatory checks at least yearly to ensure current compliance status and to understand what if any future changes to the regulations or directives are going to occur.

We ask our vendors and suppliers to:

- Continually monitor for updates to RoHS.
- Check their compliance to any updates to RoHS
- Inform us of their continual compliance.
- Contact us if no longer compliant to current version

RoHS Policy Statement History			
Rev	Date	By	Notes
Orig	2/27/2006	Dave Duff	Original
8	1/12/2015	Dave Duff	Changed to current Astrodyne template. Added History and approval block. Changed from REACH SVHC 155 to 161
9	6/15/15	Dave Duff	Updated from Astrodyne to AstrodyneTDI Logo corrected error from last update still showing SVHC 151 Changed Director of Global Quality Assurance to Director of Quality Systems. Changed Astrodyne to AstrodyneTDI.
10	8/3/15	Dave Duff	After researching that the substances are not in use, added 2 new substances added to the candidate list on 6/15/15 bringing the total substances to 163 total
11	10/12/15	Dave Duff	Split Reach statement from RoHS to have each in their own standalone policy statements. Rewrite based on Astrodyne statement to be useable for TDI so a common AstrodyneTDI statement for RoHS & REACH can be made. Added line that the non-RoHS compliant parts are due to customers purposely purchasing units with Lead-based solder.
16	1/7/16	Dave Duff	Due to changes to Astrodyne TDI Certificate of RoHS 2 Compliance, updated this rev to match the same rev number and same rev date. Skipped calling this Rev 12,13,14,15. Place space between Astrodyne and TDI in document as this is the legal “Doing Business As” Format. Reworded line on why there are exceptions: Customers wanting Lead Solder on some products.
17	1/17/17	Dave Duff	Removed Mansfield Headquarters address. Replaced with Hackettstown NJ location. Removed Italic fonts
18	12/12/18	Rich Nazario	Added further clarification to the scope of our statement to include “Astrodyne TDI Catalog Power Supplies”
19	07/22/19	Rich Nazario	Amended the statement to include RoHS 3 Compliance. Added an Abstract for the History of the 2015/863 directive. Clarified and updated the section labeled “Approach and actions taken for both RoHS 3 & China RoHS”.

Approvals				
Rev	Name	Date	Title	Signature
19	Richard Nazario	07/22/19	Director of Quality	