

Shielded Tooless Keystone Jack by Legrand

Health Product Declaration v2.1

created via: HPDC Online Builder

CLASSIFICATION: 27 10 00 Structured Cabling

PRODUCT DESCRIPTION: The shielded jack has a keystone mounting footprint and connects to a shielded copper cable for data center and enterprise applications. Complies with Category 6A component specifications, per TIA-568-C.2-2009 Standard. This HPD covers OR-TKS6A jacks.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
 Basic Method

Threshold Disclosed Per

- Material
 Product

Threshold level

- 100 ppm
 1,000 ppm
 Per GHS SDS
 Per OSHA MSDS
 Other

Residuals/Impurities

- Residuals/Impurities
Considered in 8 of 8 Materials
- Explanation(s) provided
for Residuals/Impurities?
 Yes No

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

HOUSING & PRESSING ELEMENTS [ZINC LT-P1 | AQU | PHY | END | MUL ALUMINUM LT-P1 | RES | PHY | END MAGNESIUM LT-UNK | PHY LEAD LT-1 | DEL | CAN | PBT | REP | MUL | END | GEN IRON LT-P1 | END CADMIUM LT-1 | CAN | DEL | PBT | REP | AQU | PHY | MAM | GEN | MUL | END TIN LT-UNK | SILICON LT-UNK | INDIUM LT-UNK | THALLIUM LT-P1 | MAM | GEN | REP] IDC SEAT [CARBONIC DICHLORIDE, POLYMER WITH 4,4'-(1-METHYLETHYLIDENE)BIS(PHENOL) LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END UNDISCLOSED BM-U] CONTACT PIN [COPPER LT-UNK TIN LT-UNK PHOSPHORUS BM-2 | PHY | MAM GOLD LT-P1 | SKI ZINC LT-P1 | AQU | PHY | END | MUL IRON LT-P1 | END LEAD LT-1 | DEL | CAN | PBT | REP | MUL | END | GEN NICKEL LT-1 | RES | CAN | SKI | MAM | MUL CADMIUM LT-1 | CAN | DEL | PBT | REP | AQU | PHY | MAM | GEN | MUL | END] PRINTED CIRCUIT BOARD [QUARTZ LT-1 | CAN ACETONE LT-P1 | PHY | EYE | END | DEL COPPER LT-UNK TIN LT-UNK BARIUM SULFATE BM-2 | CAN UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | MAM | GEN | CAN | MUL | END ACRYLIC ACID LT-P1 | AQU | SKI | MUL (POLYETHYL)BENZENES BM-1 | MAM | MUL EPICHLOROHYDRIN-BISPHENOL A RESIN LT-P1 | AQU | SKI | EYE | MUL TITANIUM DIOXIDE LT-1 | CAN | END UNDISCLOSED LT-UNK 2-(2-ETHOXYETHOXY)ETHANOL ACETATE LT-UNK SILVER BM-1 | MUL] FENCE [ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER LT-UNK TETRABROMOBISPHENOL A (TBBPA) BM-1 | CAN | PBT | END | AQU | MUL | REP TITANIUM DIOXIDE LT-1 | CAN | END ANTIMONY TRIOXIDE BM-1 | CAN | MUL] INSERT FOR COVER AND BASE [CARBONIC DICHLORIDE, POLYMER WITH 4,4'-(1-METHYLETHYLIDENE)BIS(PHENOL) LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END] GROUNDING SPRING [COPPER LT-UNK TIN LT-UNK PHOSPHORUS BM-2 | PHY | MAM NICKEL LT-1 | RES | CAN | SKI | MAM | MUL] PIN HEADER [POLYBUTYLENE TEREPHTHALATE NoGS GLASS / MINERAL FIBER LT-UNK | CAN 2,2'-[(1-METHYLETHYLIDENE)BIS[(2,6-DIBROMO-4,1-PHENYLENE) LT-1 | PBT | END ANTIMONY TRIOXIDE BM-1 | CAN | MUL TITANIUM DIOXIDE LT-1 | CAN | END]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen
Benchmark or List translator Score ... BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.1 and discloses hazards associated with all substances present in the finished product at or above 1000 parts per million (ppm).

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Not Applicable

LCA: Product Environmental Profile - PEP ecopassport Programme

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-10-23

PUBLISHED DATE: 2018-10-23

EXPIRY DATE: 2021-10-23



Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

HOUSING & PRESSING ELEMENTS

#: 78.7100

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities known to be present in the Product/Material at or above the declared threshold, based on data from the supplier, have been noted in the HPD.

OTHER MATERIAL NOTES: per Material Composition Declaration from supplier. For end users, the health hazards listed for the Substances may not be as extreme as is presented since they are part of an alloy, and not individual chemicals.

ZINC

ID: 7440-66-6

#: 94.9500 - 95.9100 GS: LT-P1 RC: None NANO: No ROLE: zinc alloy

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

ALUMINUM

ID: 7429-90-5

#: 4.0800 - 5.0000 GS: LT-P1 RC: None NANO: No ROLE: zinc alloy

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

MAGNESIUM

ID: 7439-95-4

%: **Impurity/Residual** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: typical % per MSDS

LEAD

ID: 7439-92-1

%: **Impurity/Residual** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

DEVELOPMENTAL	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
CANCER	US EPA - IRIS Carcinogens	(1986) Group B2 - Probable human Carcinogen
CANCER	IARC	Group 2A - Agent is probably Carcinogenic to humans
CANCER	IARC	Group 2B - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
PBT	US EPA - Priority PBTs (NWMP)	Priority PBT
PBT	WA DoE - PBT	PBT
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
PBT	US EPA - Toxics Release Inventory PBTs	PBT
REPRODUCTIVE	EU - SVHC Authorisation List	Toxic to reproduction - Candidate list
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
REPRODUCTIVE	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity

REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
DEVELOPMENTAL	EU - GHS (H-Statements)	H362 - May cause harm to breast-fed children
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
REPRODUCTIVE	Korea - GHS	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1A
GENE MUTATION	MAK	Germ Cell Mutagen 3a
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A
DEVELOPMENTAL	Australia - GHS	H360Df - May damage the unborn child. Suspected of damaging fertility

SUBSTANCE NOTES: per MSDS

IRON

ID: 7439-89-6

#: **Impurity/Residual** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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SUBSTANCE NOTES: per MSDS

CADMIUM

ID: 7440-43-9

#: **Impurity/Residual** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER	US EPA - IRIS Carcinogens	(1986) Group B1 - Probable human Carcinogen
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CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
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CANCER	CA EPA - Prop 65	Carcinogen
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DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
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PBT	US EPA - Priority PBTs (NWMP)	Priority PBT
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CANCER	EU - SVHC Authorisation List	Carcinogenic - Candidate list
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
MAMMALIAN	EU - GHS (H-Statements)	H330 - Fatal if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
REPRODUCTIVE	EU - GHS (H-Statements)	H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	New Zealand - GHS	6.6A - Known or presumed human mutagens
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
CANCER	Japan - GHS	Carcinogenicity - Category 1A
GENE MUTATION	MAK	Germ Cell Mutagen 3a
CANCER	Malaysia - GHS	H350 - May cause cancer
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: per MSDS

TIN

ID: 7440-31-5

%: Impurity/Residual	GS: LT-UNK	RC: None	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: per MSDS

SILICON

ID: 7440-21-3

%: Impurity/Residual	GS: LT-UNK	RC: None	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: per MSDS

INDIUM

ID: 7440-74-6

%: Impurity/Residual	GS: LT-UNK	RC: None	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: per MSDS

THALLIUM

ID: 7440-28-0

%: Impurity/Residual	GS: LT-P1	RC: None	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - GHS (H-Statements)

H300 - Fatal if swallowed

MAMMALIAN

EU - GHS (H-Statements)

H330 - Fatal if inhaled

GENE MUTATION

Japan - GHS

Germ cell mutagenicity - Category 1B

REPRODUCTIVE

Japan - GHS

Toxic to reproduction - Category 1A

SUBSTANCE NOTES: per MSDS

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities known to be present in the Product/Material at or above the declared threshold, based on data from the supplier, have been noted in the HPD.

OTHER MATERIAL NOTES: per Material Composition Declaration from supplier.

CARBONIC DICHLORIDE, POLYMER WITH 4,4'-(1-METHYLETHYLIDENE)BIS[PHENOL]

ID: 25971-63-5

#: 90.5000 - 100.0000 GS: LT-UNK RC: None NANO: No ROLE: plastic resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

TITANIUM DIOXIDE

ID: 13463-67-7

#: 1.6000 GS: LT-1 RC: None NANO: No ROLE: pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

UNDISCLOSED

#: 0.0000 - 9.5000 GS: BM-U RC: None NANO: No ROLE: flame retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: proprietary per supplier. No hazards were found for this substance per Material Composition Declaration from supplier.

CONTACT PIN

#: 4.3000

HPD URL:

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities known to be present in the Product/Material at or above the declared threshold, based on data from the supplier, have been noted in the HPD.

OTHER MATERIAL NOTES: per Material Composition Declaration from supplier. Represents four different copper alloys. According to the MSDS: Copper alloy products in the natural state do not present an inhalation, ingestion, or contact hazard. However, operations such as burning, welding, sawing, brazing, or grinding may release fumes and /or dusts which may present health hazards if occupational exposure limits are exceeded.

COPPER

ID: 7440-50-8

#: 85.0700 - 95.0000 GS: LT-UNK RC: None NANO: No ROLE: copper alloy

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

TIN

ID: 7440-31-5

#: 10.0000 - 12.2400 GS: LT-UNK RC: None NANO: No ROLE: copper alloy and plating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

PHOSPHORUS

ID: 7723-14-0

#: 0.0300 - 0.0700 GS: BM-2 RC: None NANO: No ROLE: copper alloy

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H228 - Flammable solid

MAMMALIAN

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

GOLD

ID: 7440-57-5

#: 0.0004 GS: LT-P1 RC: None NANO: No ROLE: plating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

ZINC

ID: 7440-66-6

%: **0.0000 - 0.0700** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **copper alloy**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

IRON

ID: 7439-89-6

%: **0.0000 - 0.0500** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **copper alloy**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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SUBSTANCE NOTES: per Material Composition Declaration from supplier.

LEAD

ID: 7439-92-1

%: **0.0000 - 0.0100** GS: **LT-1** RC: **None** NANO: **No** ROLE: **copper alloy**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

DEVELOPMENTAL	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
CANCER	US EPA - IRIS Carcinogens	(1986) Group B2 - Probable human Carcinogen
CANCER	IARC	Group 2A - Agent is probably Carcinogenic to humans
CANCER	IARC	Group 2B - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
PBT	US EPA - Priority PBTs (NWMP)	Priority PBT
PBT	WA DoE - PBT	PBT
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female

REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
PBT	US EPA - Toxics Release Inventory PBTs	PBT
REPRODUCTIVE	EU - SVHC Authorisation List	Toxic to reproduction - Candidate list
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
REPRODUCTIVE	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity
REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
DEVELOPMENTAL	EU - GHS (H-Statements)	H362 - May cause harm to breast-fed children
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
REPRODUCTIVE	Korea - GHS	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1A
GENE MUTATION	MAK	Germ Cell Mutagen 3a
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A
DEVELOPMENTAL	Australia - GHS	H360Df - May damage the unborn child. Suspected of damaging fertility

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

NICKEL

ID: 7440-02-0

#: **0.0000 - 2.4500** GS: **LT-1** RC: **None** NANO: **No** ROLE: **copper alloy and plating**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

CANCER IARC Group 1 - Agent is Carcinogenic to humans

CANCER IARC Group 2B - Possibly carcinogenic to humans

CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

CADMIUM

ID: 7440-43-9

%: Impurity/Residual	GS: LT-1	RC: None	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	US EPA - IRIS Carcinogens			(1986) Group B1 - Probable human Carcinogen
CANCER	IARC			Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65			Carcinogen
DEVELOPMENTAL	CA EPA - Prop 65			Developmental toxicity
PBT	US EPA - Priority PBTs (NWMP)			Priority PBT
REPRODUCTIVE	CA EPA - Prop 65			Reproductive Toxicity - Male
CANCER	US CDC - Occupational Carcinogens			Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens			Known to be a human Carcinogen
CANCER	EU - SVHC Authorisation List			Carcinogenic - Candidate list
PBT	OSPAR - Priority PBTs & EDs & equivalent concern			PBT - Chemical for Priority Action
PBT	OR DEQ - Priority Persistent Pollutants			Priority Persistent Pollutant - Tier 1
ACUTE AQUATIC	EU - GHS (H-Statements)			H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)			H410 - Very toxic to aquatic life with long lasting effects
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)			H250 - Catches fire spontaneously if exposed to air
MAMMALIAN	EU - GHS (H-Statements)			H330 - Fatal if inhaled

GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
REPRODUCTIVE	EU - GHS (H-Statements)	H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	New Zealand - GHS	6.6A - Known or presumed human mutagens
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
CANCER	Japan - GHS	Carcinogenicity - Category 1A
GENE MUTATION	MAK	Germ Cell Mutagen 3a
CANCER	Malaysia - GHS	H350 - May cause cancer
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

PRINTED CIRCUIT BOARD

#: 3.5400

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities known to be present in the Product/Material at or above the declared threshold, based on data from the supplier, have been noted in the HPD.

OTHER MATERIAL NOTES: includes PCB 1 and 2 per Material Composition Declaration from supplier.

QUARTZ

ID: 14808-60-7

#: 23.3700 - 46.7400

GS: LT-1

RC: None

NANO: No

ROLE: base material

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

ACETONE

ID: 67-64-1

#: **23.3700 - 46.7400** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **binder for base material**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
DEVELOPMENTAL	MAK	Pregnancy Risk Group B

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

COPPER

ID: 7440-50-8

#: **17.2900 - 23.5900** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **foil and plating**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

TIN

ID: 7440-31-5

#: **5.1700** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **plating**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

BARIUM SULFATE

ID: 7727-43-7

%: **2.1700** GS: **BM-2** RC: **None** NANO: **No** ROLE: **flame retardant and pigment for solder mask and screen printing**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

UNDISCLOSED

%: **1.6900** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **binder for solder mask**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: ID per Material Composition Declaration from supplier is not available in database, so used a proxy identifier for the health hazards of the substance.

UNDISCLOSED

%: **1.3700** GS: **LT-1** RC: **None** NANO: **No** ROLE: **solvent for solder mask**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	Australia - GHS	H340 - May cause genetic defects

SUBSTANCE NOTES: proprietary per supplier. Hazards were found for this substance per Material Composition Declaration from supplier.

ACRYLIC ACID

ID: 79-10-7

#: **0.9100** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **soldering flux agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: per Material Composition Declaration from supplier. As a component of the printed circuit board, this substance is unlikely to have as severe hazards in the final product as is identified here as a standalone substance.

(POLYETHYL)BENZENES

ID: 64742-94-5

#: **0.3300** GS: **BM-1** RC: **None** NANO: **No** ROLE: **solder mask solvent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - GHS (H-Statements)

H304 - May be fatal if swallowed and enters airways

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

EPICHLOROHYDRIN-BISPHENOL A RESIN

ID: 25068-38-6

#: **0.3000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **binder for screen printing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CHRON AQUATIC

EU - GHS (H-Statements)

H411 - Toxic to aquatic life with long lasting effects

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

TITANIUM DIOXIDE

ID: 13463-67-7

%: **0.1800** GS: **LT-1** RC: **None** NANO: **No** ROLE: **pigment filler for screen printing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

UNDISCLOSED

%: **0.1300** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **solder mask photoinitiator**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: proprietary per supplier. No hazards were found for this substance per Material Composition Declaration from supplier.

2-(2-ETHOXYETHOXY)ETHANOL ACETATE

ID: 112-15-2

%: **0.0240** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **solvent for screen printing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

SILVER

ID: 7440-22-4

%: **0.0000 - 0.2800** GS: **BM-1** RC: **None** NANO: **No** ROLE: **plating**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE German FEA - Substances Hazardous to Waters Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities known to be present in the Product/Material at or above the declared threshold, based on data from the supplier, have been noted in the HPD.

OTHER MATERIAL NOTES: per Material Composition Declaration from supplier.

ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER

ID: 9003-56-9

%: **65.0000 - 75.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **plastic resin**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

TETRABROMOBISPHENOL A (TBBPA)

ID: 79-94-7

%: **11.0000 - 17.0000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **flame retardant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER IARC Group 2A - Agent is probably Carcinogenic to humans

CANCER CA EPA - Prop 65 Carcinogen

PBT WA DoE - PBT PBT

PBT US EPA - Toxics Release Inventory PBTs PBT

PBT OSPAR - Priority PBTs & EDs & equivalent concern PBT - Chemical for Priority Action

ENDOCRINE OSPAR - Priority PBTs & EDs & equivalent concern Endocrine Disruptor - Chemical for Priority Action

PBT OR DEQ - Priority Persistent Pollutants Priority Persistent Pollutant - Tier 1

ACUTE AQUATIC EU - GHS (H-Statements) H400 - Very toxic to aquatic life

CHRON AQUATIC EU - GHS (H-Statements) H410 - Very toxic to aquatic life with long lasting effects

ENDOCRINE ChemSec - SIN List Endocrine Disruption

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

MULTIPLE German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters

PBT EHP - San Antonio Statement on BFRs & CFRs Flame retardant substance class of concern for PB&T & long range transport

REPRODUCTIVE Japan - GHS Toxic to reproduction - Category 1B

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

TITANIUM DIOXIDE

ID: 13463-67-7

#: **1.8100** GS: **LT-1** RC: **None** NANO: **No** ROLE: **pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

ANTIMONY TRIOXIDE

ID: 1309-64-4

#: **0.0000 - 6.0000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **flame retardant reagent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	IARC	Group 2B - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	Japan - GHS	Carcinogenicity - Category 1B

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

INSERT FOR COVER AND BASE

#: **1.2800**

HPD URL:

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities known to be present in the Product/Material at or above the declared threshold, based on data from the supplier, have been noted in the HPD.

OTHER MATERIAL NOTES: per Material Composition Declaration from supplier.

CARBONIC DICHLORIDE, POLYMER WITH 4,4'-(1-METHYLETHYLIDENE)BIS[PHENOL]

ID: 25971-63-5

%: **97.0000 - 99.5000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **plastic resin**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

TITANIUM DIOXIDE

ID: 13463-67-7

%: **1.2100** GS: **LT-1** RC: **None** NANO: **No** ROLE: **pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

GROUNDING SPRING

%: **0.4400**

HPD URL:

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities known to be present in the Product/Material at or above the declared threshold, based on data from the supplier, have been noted in the HPD.

OTHER MATERIAL NOTES: per Material Composition Declaration from supplier. According to the MSDS: Copper alloy products in the natural state do not present an inhalation, ingestion, or contact hazard. However, operations such as burning, welding, sawing, brazing, or grinding may release fumes and /or dusts which may present health hazards if occupational exposure limits are exceeded.

COPPER

ID: 7440-50-8

%: **90.0000 - 93.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **copper alloy**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

TIN

ID: 7440-31-5

#: **7.0000 - 9.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **copper alloy**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

PHOSPHORUS

ID: 7723-14-0

#: **0.0300 - 0.3500** GS: **BM-2** RC: **None** NANO: **No** ROLE: **copper alloy**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H228 - Flammable solid

MAMMALIAN

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

NICKEL

ID: 7440-02-0

#: **0.0000 - 2.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **plating**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

CANCER

IARC

Group 2B - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

US NIH - Report on Carcinogens

Known to be a human Carcinogen

CANCER

US NIH - Report on Carcinogens

Reasonably Anticipated to be Human Carcinogen

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

ORGAN TOXICANT

EU - GHS (H-Statements)

H372 - Causes damage to organs through prolonged or repeated exposure

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

PIN HEADER

%: 0.3600

HPD URL:

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities known to be present in the Product/Material at or above the declared threshold, based on data from the supplier, have been noted in the HPD.

OTHER MATERIAL NOTES: per Material Composition Declaration from supplier.

POLYBUTYLENE TEREPHTHALATE

ID: **26062-94-2**

%: **35.0000 - 65.0000**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **plastic resin**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: per Material Composition Declaration from supplier. ID listed above, 26062-94-2, is used as a proxy identifier for the health hazards of the substance. Actual ID reported from supplier is 30965-26-5.

GLASS / MINERAL FIBER

ID: **65997-17-3**

%: **27.0000 - 33.0000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

2,2'-[(1-METHYLETHYLIDENE)BIS(2,6-DIBROMO-4,1-PHENYLENE)]

ID: **68928-70-1**

%: **6.0000 - 16.0000**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **flame retardant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

OSPAR - Priority PBTs & EDs & equivalent concern

PBT - Chemical for Priority Action

ENDOCRINE

OSPAR - Priority PBTs & EDs & equivalent concern

Endocrine Disruptor - Chemical for Priority Action

PBT

EHP - San Antonio Statement on BFRs & CFRs

Flame retardant substance class of concern for PB&T & long range transport

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

ANTIMONY TRIOXIDE

ID: 1309-64-4

#: **1.0000 - 6.0000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **flame retardant reagent**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
CANCER	IARC Group 2B - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65 Carcinogen
CANCER	EU - GHS (H-Statements) H351 - Suspected of causing cancer
MULTIPLE	ChemSec - SIN List CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	MAK Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	Japan - GHS Carcinogenicity - Category 1B

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

TITANIUM DIOXIDE

ID: 13463-67-7

#: **1.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **pigment**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
CANCER	US CDC - Occupational Carcinogens Occupational Carcinogen
CANCER	CA EPA - Prop 65 Carcinogen - specific to chemical form or exposure route
CANCER	IARC Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor
CANCER	MAK Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: per Material Composition Declaration from supplier.

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS

Not Applicable

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **0000-01-01**

EXPIRY DATE:

CERTIFIER OR LAB: **None**

APPLICABLE FACILITIES: **None**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

LCA

Product Environmental Profile - PEP ecopassport Programme

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2015-09-01**

EXPIRY DATE: **2020-09-01**

CERTIFIER OR LAB: **PEP ecoPassport Program**

APPLICABLE FACILITIES: **All North American facilities.**

CERTIFICATE URL:

<https://www.legrand.us/resources-and-downloads/environmental-product-declarations.aspx>

CERTIFICATION AND COMPLIANCE NOTES:

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

TIE WRAP

HPD URL: **No HPD link provided**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

For all installations, affix tie wrap over strain relief clamp to secure the clamp of the jack closed.

Section 5: General Notes

This HPD qualifies for the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1).



MANUFACTURER INFORMATION

MANUFACTURER: **Legrand**
 ADDRESS: **Data Communications Division**
125 Eugene O'Neill Drive
New London CT 06230, United States
 WEBSITE: **www.legrand.us**

CONTACT NAME: **Rene Parrinello**
 TITLE: **Sustainable Product Development**
Coordinator, LEED GA
 PHONE: **860-405-2828**
 EMAIL: **rene.parrinello@legrand.us**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.