

Chemical Safety Management Situation

In 2022, a total of 14 regulations related to hazardous substances were evaluated, primarily including the revisions to Annex III and Annex IV exemption clauses of the European Union Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS); the addition of the 26th and 27th batches of Substances of Very High Concern (SVHC) under the European Union Regulation on Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH); and the addition of two reduction substances under the Stockholm Convention on Persistent Organic Pollutants.

In response to the updates in these regulations, Zhen Ding conducted immediate self-assessments of relevant suppliers, and the investigation results indicated that the materials used by Zhen Ding meet the requirements of these regulations.

The Material Declaration (IEC 62474) standard was developed by the International Electro technical Commission for the Environmental Standardization for Electrical and Electronic Products and Systems (IEC/TC 111). The Material Declaration specifies the conditions that must be met by manufacturers and suppliers for material declarations, the materials to be declared, and a standardized data exchange format to increase the acceptability of material declarations within the global supply chain. Zhen Ding incorporates the IEC 62474 Substance Declaration List into its management of hazardous substances, including both declared substances in products and future restricted substances. The control of hazardous chemicals aligns 100% with the substances listed in the IEC 62474 specification. Zhen Ding requires suppliers to provide a declaration if their products or materials contain any substances specified in the IEC 62474 list. Zhen Ding then shares the information regarding the presence of relevant substances with downstream customers as required, ensuring timely and accurate transmission of information on IEC 62474 declared substances throughout the supply chain. All products or materials provided by suppliers are 100% compliant with the substances specified in the IEC 62474 list.

Chemical Safety Management Scope

As of September

Management category	Item quantity	Category examples	Management category	Item quantity	Category examples
Restricted substances in products	114 items	RoHS 2.0 Chlorine and its compounds Bromine and its compounds Arsenic and its compounds Beryllium and its compounds Antimony and its compounds Asbestos and its compounds Appendix XVII of REACH Azo dyes, aromatic amines, and aniline derivatives Short-chain, medium-chain, and long chain chlorinated paraffins Organotin compounds Perchlorate PFOA, PFOS, PFCA, and other perfluorinated organic compounds Polycyclic aromatic hydrocarbons (PAHs) Radioactive materials Musk compounds Persistent organic pollutants (POPs) Ozone-depleting substances (ODCs) Five TSCA substances	Restricted substances in manufacturing	31 items (Some substance restrictions apply only to cleaning agents, degreasing agents, and demolding agents)	Benzene Toluene Ethylbenzene Xylene Ethanolamine n-hexane n-heptane Dichloromethane Carbon tetrachloride Trichloroethylene Tetrachloroethylene Cyclohexane Cyclohexanone Methanol N-Methylpyrrolidone (NMP) n-Propyl bromide (nPB) Ozone-depleting substances (ODCs) Brominated organic solvents Chlorinated organic solvents Fluorinated greenhouse gases Phthalates/salts
Reported substances in products	30 items	Additive phosphorous flame retardant SDPA Endocrine disrupting chemicals (EDCs) Skin sensitizers EC62474 Substances Declaration List California Proposition 65 Chemicals List	Reported substances in manufacturing processes	19 items	Formaldehyde Hydrogen chloride

Hazardous Substances Restriction List

1) Restricted substances in products: 114 items

As of September

Chemical	Threshold	Scope	References
Antimony Trioxide	900 ppm	All materials	IEC 62474

Arsenic and its compounds	N.D.	All materials	REACH 1907/2006 and amendments
Asbestos and its compounds	Negative	All materials	REACH 1907/2006 and amendments
Azocolourants,Arylamines,Anilines	N.D.	All materials	REACH 1907/2006 and amendments Bedarfsgegenstande Verordnung GB 18401-2003 China GB 20400-2006 China
Benzenamine,N-phenyl-reaction products with styrene and 2,4,4-trimethylpentene (BNST)	Non-use	All materials	Canadian Environmental Protection Act (1999)
Beryllium and its compounds	N.D.	All materials	Customer Requirement IEEE1680.1-2018 criterion 4.1.4.1
Bisphenol A	N.D.	All materials	Customer Requirement California Proposition 65
Bromine and its compounds	900 ppm · 1500 ppm (Br+Cl)	All materials	Customer Requirement UL110.criterion 9.2.3
Cadmium and Its Compounds	5 ppm	All materials	2011/65/EU GB/T 26572 Taiwan BSMI RoHS
Short and Medium Chained Chlorinated Paraffins (SCCP&MCCP)	N.D.	All materials	REACH 1907/2006 and amendments EPA,SNUR 2070-AJ73,Dec.2014 IEEE 1680
Chlorine and its compounds	900 ppm · 1500 ppm(Br+Cl)	All materials	IEEE 1680.1-2018 UL 110
	Non-use;Must be Elemental Chlorine Free(ECF), Totally Chlorine Free (TCF) or Process Chlorine Free (PCF)	Fiber-based packaging	IEEE 1680.1-2018 criteria 4.1.5.1&4.1.5.2 UL 110,criteria 9.2.3&12.7.1 Customer Requirement
Dimethylfumarate (DMFu)	0.1 ppm	All materials	2010/153/EC
Formaldehyde	N.D.	All materials	ChemVerbotsV GB 18401-2003/2005, China GB 20400-2006 · China
Halogenated Diphenyl Methanes	N.D.	All materials	REACH 1907/2006 and amendments
Hexabromocyclododecane (HBCDD)	N.D.	All materials	2004/850/EU
Heavy metals (Lead, Mercury, Cadmium, Hexavalent Chromium)	Packaging material: Cd+Pb+Hg+Cr6+ < 50 ppm and Cd<5 ppm, Pb<45 ppm, Cr6+: N.D.	Packaging material	94/62/EC
Hexavalent chromium and its compounds	N.D.	All materials	2011/65/EU GB/T 26572 Taiwan BSMI RoHS

	1 ppm	All wearable products and accessories	REACH1907/2006 Entry 72
Lacey Act and Timber Regulation	Non-use	All materials	US Lacey Act (16 U.S.C. 3371-3378) EU Timber Regulation
Lead and its compounds	45 ppm	Plastics, inks, surface coatings	IEEE 1680 CPSIA,2008 2011/65/EU GB/T 26572 TaiwanBSMI RoHS
	300 ppm	Solder material	
	90 ppm	General metals	
	No intentional use 1000 ppm for incidentally present	All other materials except all exemptions in 2011/65/EU and its amendments	
Mercury and its compounds	N.D.	All materials	2011/65/EU GB/T 26572 Taiwan BSMI RoHS
Methyl-phenol compounds	10 ppm total content	All materials	Canadian Environmental Protection Act
n-Hexane	1000 ppm	All materials	Customer Requirement
Nickel and its compounds	Frequently contacted or in prolonged contact with, the end user's skin:N.D. Other: report if contain	All materials	REACH 1907/2006 and amendments
Organic tin compounds	N.D.	All materials	REACH 1907/2006 and amendments
Perchlorates	N.D.	All materials	Perchlorate Contamination Pprevention
PFOA and compounds	$\leq 1 \mu\text{g}/\text{m}^2$ coated area	Textiles and other coated materials	Norway FOR-2004-06-01-922EU 2017/1000
	25 ppb	All materials	
PFOS and compounds	$\leq 1 \mu\text{g}/\text{m}^2$ coated area	Textiles and other coated materials	2004/850/EU
	10 ppm	Preparations	
	1000 ppm total content	All materials	
Phthalates	1000 ppm total content	All materials except packaging	REACH 1907/2006 and amendments California Proposition 65
	100 ppm	Packaging material	2011/65/EU
Polycyclic Aromatic Hydrocarbons (PAHs)	0.5 ppm individually, 10 ppm for sum of total PAHs	All materials	EC/1272/2013
Polybrominated Biphenyls (PBBs)	N.D.	All materials	2011/65/EU GB/T 26572
Polybrominated Diphenyl Ethers (PBDEs)	N.D.	All materials	2011/65/EU GB/T 26572

Polychlorinated Biphenyl (PCBs)	N.D.	All materials	2004/850/EU 85/467/EEC CRS 001/1983, Brazil
Polychlorinated Terphenyl (PCT)	N.D.	All materials	REACH 1907/2006 and amendments
Polyvinyl Chloride (PVC) and compounds	Negative	All materials	85/467/EEC REACH 1907/2006 and amendments
Radioactive Substances	N.D.	All materials	Japanese Laws for the Regulation of Nuclear Source Material, Nuclear Fuel Material, and Reactors, 1986
REACH Annex XVII	By law	All materials	REACH 1907/2006 and amendments
REACH Candidate List of SVHCs	<1000 ppm	All materials	REACH 1907/2006 and amendments
Tetrabromobisphenyl A (TBBA 、 TBBPA)	N.D.	All materials	Customer Requirement
Polychlorinated Naphthalene (PCNs)	N.D.	All materials	Customer Requirement
Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-phenol	Non-use	All materials	REACH 1907/2006 and amendments
Alkyl phenol	N.D.	All materials	REACH 1907/2006 and amendments
Antimony and its compounds	100 ppm	All materials	IEC 62474
Cobalt dichloride	Non-use	All materials	REACH 1907/2006 and amendments
Chlorophenols	N.D.	All materials	Customer Requirement
Tris(2-chloroethyl)phosphate (TCEP)	N.D.	All materials	Customer Requirement
Tris(2-chloro-1-methylethyl)phosphate (TCPP)	N.D.	All materials	Customer Requirement
Tris(1,3-dichloro-2-propyl)phosphate (TDCPP)	N.D.	All materials	Customer Requirement
Trixylyl phosphate (TXP)	N.D.	All materials	Customer Requirement
Expanded polystyrene (EPS)	Non-use	All materials	South Korean KC safety mark
Methylenediphenyl diisocyanate (MDI)	1000 ppm	All materials	REACH 1907/2006 and amendments
2-Butanone oxime	1000 ppm	All materials	Customer Requirement
Surfactants	Non-use	All materials	Norway Prohibition on Certain Hazardous Substances in Consumer Products
Fragrance substance	Non-use	All materials	Customer Requirement
Dioxins, furans	Non-use	All materials	REACH 1907/2006 and amendments
Natural rubber	Non-use	All materials	Customer Requirement

Originalwood	Non-use	Packaging material	Customer Requirement
Yellow(White) /Red Phosphorus	Negative	All materials	Japan industry health and safety Act
Selenium and its compounds	100 ppm	All materials	IEC 62474
Halogenated benzenes	N.D.	All materials	Customer Requirement
2-(2-methoxyethoxy)ethanol (DEGME)	1000 ppm	All materials	Customer Requirement
2-Butoxyethanol	1000 ppm	All materials	REACH 1907/2006 and amendments
2-(2-butoxyethoxy)ethanol (DEGBE)	1000 ppm	All materials	Customer Requirement
Benzene	N.D.	All materials	REACH 1907/2006 and amendments
Toluene	N.D.	All materials	Customer Requirement
Cyclohexane	Non-use	All materials	REACH 1907/2006 and amendments
Adhesive monomers Group I & Group II	Must pass toxicological review for approval	Adhesives in wearable products UV-cured adhesives in earphones and headphones Includes oligomers and cross-linkers	Customer Requirement
Chlorinated Organic Solvents	1000 ppm, Cl<900 ppm	All materials	Customer Requirement
2,4,6-Tri-tert-butylphenol	3000 ppm	All materials	USA<Toxic Substance Control Act,TSCA>
Deca BDE	N.D.	All materials	USA<Toxic Substance Control Act,TSCA>
Phenol, isopropylated, phosphate (3:1)	N.D.	All materials	USA<Toxic Substance Control Act,TSCA>
Pentachlorothiophenol (PCTP)	10000 ppm	All materials,Such as the rubber industry	USA<Toxic Substance Control Act,TSCA>
Hexachloro-1,3-butadiene	N.D.	All materials	USA<Toxic Substance Control Act,TSCA>
Long-chain perfluorocarboxylic acids, their salts and their precursors (LC-PFCAs)	N.D.	All materials	SOR/2012-285
Nitrosodiphenylamine	N.D.	All materials	SOR/2012-285
2-Methoxyethanol and ethylene glycol monomethyl ether	5000 ppm	All materials	SOR/2012-285
PFCAs (C9-C14), their salts and related substances	25 ppb for the sum of C9-C14 PFCAs and their salts 260 ppb for the sum of C9-C14 PFCa-related substances	All materials	https://echa.europa.eu/documents/10162/2ec5dfdd-0e63-0b49-d756-4dc1bae7ec61
PFHxS, its salts and related substances	25 ppb for the sum of PFHxS and its salts 1000 ppb for the sum of PFHxS related substances	All materials	https://echa.europa.eu/documents/10162/a22da803-0749-81d8-bc6d-ef551fc24e19

Persistent Organic Pollutants (POPs)	N.D.	All materials	(EC) No 850/2004 (EU) No 519/2012 Customer Requirement
Endangered Species of Flora and Fauna	Non-use	All materials	US Lacey Act EU Timber Regulation
Ozone Depleting Chemicals (ODCs)	N.D.	All materials	Montreal Protocol US Clean Air Act Customer Requirement
Bismuth (Bi) and its compounds	1000 ppm	All materials	Customer Requirement
Chemical Substance Control Law (CSCL) Class I specified chemical substance	N.D.	All materials	Chemical Substance Control Law (CSCL)
Nitrogen trifluoride	Non-use	All materials	Customer Requirement
2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	Non-use	All materials	Customer Requirement
Tetrafluoroethylene	Non-use	Paints, Adhesives, Cleaners	Customer Requirement
Ethylene glycol, and its ethers	No intentional use 1000 ppm	All materials	Customer Requirement
Ethane	Non-use	All materials	Customer Requirement
Ethylbenzene	1000 ppm	Solvents in paints, primers, coatings, inks, lubricants and adhesives	Customer Requirement
Acetaldehyde	3.7 µg/m ³	Solvents in paints, primers, coatings, inks, lubricants and adhesives	VOC JEITA
4-Nitrobiphenyl and its salts	Non-use	All materials	Customer Requirement
Tritolyl Phosphate (TCP)	Non-use	All materials	Customer Requirement
Brominated Polystyrene	Non-use	Blister packaging	Customer Requirement
Octylphenol and its ethers (Ops)	Non-use	All materials	Customer Requirement
Hexachloroethane	N.D.	All materials	Customer Requirement
2,4-Dinitrotoluene ; 2,4-DNT	1000 ppm	All materials	Customer Requirement
Dichloromethyl ether	N.D.	All materials	Customer Requirement
Triclosan	10 ppm	All materials	Customer Requirement
Isocyanic acid	Non-use	All materials	Customer Requirement
Organophosphorus compounds	N.D.	All materials	Customer Requirement
Phenol and its compounds	N.D.	All materials	Customer Requirement
Per- and Polyfluoroalkyl Substances (PFAS)	Non-use	All materials	http://www.oecd.org/officialdocuments/publicdisplaydocumentpdf/?doclanguage=en&cote=env/im/mono(2006)15

N-Nitrosodimethylamine (NDMA)	Non-use	All materials	Customer Requirement
Chlorinated paraffin (C18-28) (LCCPs)	N.D.	All materials	Customer Requirement
DechloranePlus (DCRP)	Non-use	All materials	Customer Requirement
Decabromodiphenyl Ethane (DBDPE)	Non-use	All materials	Customer Requirement
1, 4-Dioxane	Non-use	All materials	Toxic Substances Control Act (TSCA)
Pigment Violet 29	Non-use	All materials	Toxic Substances Control Act (TSCA)
Phosphine	Non-use	All materials	Germany. Chemicals Prohibition Ordinance. Denmark: Statutory Order No. 289. United States. Toxic Substances
Ethylenediaminetetraacetic acid (EDTA)	Non-use	All materials	Customer Requirement
2-(2-Aminoethylamino)ethanol (AEEA)	Non-use	All materials	Customer Requirement
Tri-(2,3-dibromo-propyl) phosphate (TDBPP)	N.D.	All materials	Customer Requirement
Gallium	Non-use	All materials	Customer Requirement
Methoxyethanol	Non-use	All materials	Customer Requirement
Tri-(1-aziridinyl) phosphin oxide	N.D.	All materials	Customer Requirement

2) Reported substances in products: 30 items

Chemical	Threshold	Scope	References
Adhesive monomers Group I	1000 ppm	Adhesives in wearable products UV-cured adhesives in earphones and headphones Includes oligomers and cross-linkers	Customer Requirement
n-Propyl Bromide (nPB)	100 ppm	Cleaning solvent and used as an intermediate in the synthesis of quaternary ammonium compounds. Also used as a solvent in adhesive sprays	Customer Requirement
Parts/Components utilizing RoHS exemptions	Individual substance thresholds as per the RoHS directive	All materials	2011/65/EU
Volatile Organic Compounds (VOCs)	Report detectable levels. Vendors must meet all applicable VOC regulations in the areas in which they are operating	Paints, coatings, inks, adhesives, primers, cleaners, degreasers	Customer Requirement GB 38507-2020 GB 38508-2020 GB 33372-2020
Additive Phosphorous Flame Retardants	1000 ppm	Plastics, printed circuit boards	Sweden Chemical Tax(2016:1067)
Biocides	Detectable levels. Treated articles must use biocides that are approved or under review	Additive in polymers, leather, other coated materials	EU No 528/2012 (BPR)

Cobalt and its compounds	1000 ppm	Moisture indicator, additive in rubber, cobalt alloys	REACH 1907/2006 and amendments
Diphenylamines, Substituted (SDPA)	Detectable levels	Antioxidants used in adhesives, resins, polymer coatings, paper products	Canadian Environmental Protection Act, 1999
Endocrine Disrupting Chemicals (EDCs)	Detectable levels	All materials	Customer Requirement
IEC 62474 Substances	Various, as required by standard	All materials	IEC 62474
Indium Phosphide	Detectable levels	Electronic components	Customer Requirement
Nanomaterials	Detectable levels	Silver nanoparticles, carbon nanotubes and graphene, nano-scale cerium dioxide, nano titanium dioxide, nano-scale iron, nanometer-sized copper particles	France Decree No. 2012-232, Environmental Code Article L. 523-4—Annual declaration of substances in nanoparticle 2011/696/EU
PFBS and related substances	1000 ppm total content	Flame retardant additive for plastic resins	https://www.miljodirektoratet.no/globalassets/publikasjoner/M759/M759.pdf
Toluene	1000 ppm	Paints, coatings, inks, adhesives, primers manufactured by the material supplier and in the finished good	Customer Requirement
Bisphenol chemicals	100 ppm	All materials	Customer Requirement
Brominated Organic Solvents	100 ppm	All materials	Customer Requirement
Formaldehyde-releasing substances	Formaldehyde released from substance exceeds a concentration of 0.124 mg/m ³ in the air of a test chamber used under the conditions prescribed in EN 717-1.	All materials	https://echa.europa.eu/documents/10162/13641/rest_formaldehyde_axvreport_en.pdf/
Skin sensitizing substances	Report if contain	Only applicable to leather, textile, hide, and fur articles. Natural leather is exempt.	https://echa.europa.eu/de/registry-of-restriction-intentions/-/dislist/details/0b0236e182446136
Melamine	1000 ppm	Plastics	Customer Requirement
N-Ethyl-2-pyrrolidone	1000 ppm	Paints, coatings, inks, adhesives, primers manufactured by the material supplier and in the finished good	Customer Requirement
Proposition 65 list of chemicals	Detectable levels	All materials	California Proposition 65
Washington State's List of Chemicals of High Concern to Children (CHCC)	Practical quantification limit (PQL) if added intentionally 100 ppm if present as a contaminant	All materials	Children's Safe Products Act
Chromium(III) compounds	Report if contain	All materials	97/10/EC
Zinc and its compounds	Detectable levels	All materials	Customer Requirement
Palladium and its compounds	Detectable levels	All materials	Customer Requirement
Silver and its compounds	Detectable levels	All materials	Customer Requirement
Manganese and its compounds	1000 ppm	All materials	Customer Requirement
Magnesium and its compounds	1000 ppm	All materials	Customer Requirement
Fluorine and its compounds	Detectable levels	All materials	Customer Requirement
Butyl glycidyl ether	1000 ppm	All materials	Customer Requirement

3) Restricted substances in manufacturing: 31 items

Chemical	Threshold	Scope	References
Benzene	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	NIOSH
Beryllium Dust and Fumes	Breathing zone <0.0002 mg/m ³	Connector contacts, EMI finger (beryllium-copper alloys), transceivers (beryllium oxide)	California OSHA PEL (2006); GBZ 2.1 2007
Brominated Organic Solvents	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	Customer Requirement
Chlorinated Organic Solvents	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	Customer Requirement
n-Hexane	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	GBZ 2.1 2007; ACGIH
N-methylpyrrolidone (NMP)	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	AIHA TWA; California OSHA

n-Propyl Bromide (nPB)	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	Customer Requirement
Ozone Depleting Chemicals (ODC)	No intentional use	All manufacturing processes	Montreal Protocol; EC No. 2037/2000
Toluene	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	ACGIH(2015)
Xylene	Non-use	All manufacturing processes	NIOSH
m-xylene	Non-use	All manufacturing processes	NIOSH
p-xylene	Non-use	All manufacturing processes	NIOSH
o-xylene	Non-use	All manufacturing processes	NIOSH
Ethylbenzene	Non-use	All manufacturing processes	NIOSH
Trichloroethylene	Non-use	All manufacturing processes	NIOSH
Tetrachloroethylene	Non-use	All manufacturing processes	NIOSH
Fluorinated greenhouse gases (CFCs, HCFCs, HFCs, PFCs, SF ₆)	Non-use	All manufacturing processes	(EC) No 842/2006; (EC) No.1005/2009
Ethanolamine	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	ACGIH; GBZ 2.1 2007; Customer Requirement
2-Ethoxyethanol	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	ACGIH; GBZ 2.1 2007; Customer Requirement
2-Ethoxyethyl acetate	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	ACGIH; GBZ 2.1 2007; Customer Requirement
Cyclohexanone	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	ACGIH; GBZ 2.1 2007; Customer Requirement
N, N Dimethylformamide	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	ACGIH; GBZ 2.1 2007; Customer Requirement
Methanol	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	ACGIH; GBZ 2.1 2007; Customer Requirement
Methylene Chloride	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	ACGIH; GBZ 2.1 2007; Customer Requirement
Carbon Tetrachloride	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	ACGIH; GBZ 2.1 2007; Customer Requirement
2-Butoxy ethanol	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	ACGIH; GBZ 2.1 2007; Customer Requirement
Heptane	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	Customer Requirement
Cyclohexanone	Non-use	Cleaning agents, degreasers, demolder solutions in all manufacturing processes	Customer Requirement
Phthalates	1000 ppm total content	The tools, auxiliary materials, packaging materials, work surfaces, equipment surfaces of contact, etc. that are in contact with product production, including but not limited to the objects listed in Appendix T.	California Proposition 65 REACH 1907/2006 and amendments 2011/65/EU Customer Requirement
2-Butoxyethanol	Non-use	Paints, coatings, thinners, etc.	Customer Requirement
Phosphine	Non-use	All manufacturing processes	Customer Requirement

4) Reported substances in manufacturing processes: 19 items

Chemical	Threshold	Scope	References
Benzene	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	NIOSH
Brominated Organic Solvents	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	Customer Requirement
Chlorinated Organic Solvents	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	Customer Requirement
n-Hexane	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	ACGIH; GBZ 2.1 2007
N-methylpyrrolidone (NMP)	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	AIHA TWA; California OSHA
n-Propyl Bromide (nPB)	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	Customer Requirement
Toluene	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	NIOSH
2-Ethoxyethanol	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	ACGIH; GBZ 2.1 2007; Customer Requirement
2-Ethoxyethyl acetate	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	ACGIH; GBZ 2.1 2007; Customer Requirement
Cyclohexanone	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	ACGIH; GBZ 2.1 2007; Customer Requirement
N, N Dimethylformamide	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	ACGIH; GBZ 2.1 2007; Customer Requirement

Methanol	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	ACGIH; GBZ 2.1 2007; Customer Requirement
Methylene Chloride	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	ACGIH; GBZ 2.1 2007; Customer Requirement
Carbon Tetrachloride	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	ACGIH; GBZ 2.1 2007; Customer Requirement
2-Butoxy ethanol	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	ACGIH; GBZ 2.1 2007; Customer Requirement
Ethanolamine	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	ACGIH; GBZ 2.1 2007; Customer Requirement
Xylenes	Detectable levels (Content)	All manufacturing processes (except Cleaning agents, degreasers, demolder solutions)	ACGIH; GBZ 2.1 2007; Customer Requirement
Formaldehyde	Detectable levels (Content)	All manufacturing processes	Customer Requirement
Hydrogen Fluoride (HF)	Detectable levels (Content)	All manufacturing processes	Customer Requirement