Montreal Protocol – EPA Clean Air Act (USA)

Declaration – Substances that Deplete the Ozone Layer

Dear TSI Incorporated Business Partner,

TSI Incorporated ("TSI"), its affiliates and divisions announce our commitment to comply with The Montreal Protocol on Substances that Deplete the Ozone Layer and all applicable laws and safety regulations related thereto including, but not limited to, the United States Clean Air Act Regulation (42 U.S.C. §7401 et seq.). The amendments in the Clean Air Act set in motion the phase out of a list of chemicals we know of as; CFCs, Halons', HCFCs, methyl bromide, and other ozone-depleting substances (ODS). See Appendices A & B for these substances.

In order to provide customers with sufficient information on known Ozone-Depleting Substances (ODS), TSI directs you to the EPA website for more information on the topic: https://www.epa.gov/ozone-layer-protocol-substances-deplete-ozone-layer

TSI does not utilize any of the banned substances listed in Appendix A and Appendix B in the manufacture or operation of its products. TSI also works within local regulations and guidelines established by state agencies where our manufacturing facilities are located, e.g., Minnesota Pollution Control Agency and the Illinois Pollution Control Board.

The information in this declaration is based on TSI's commercially reasonable efforts to identify information from supplier declarations, engineering evaluation, and assessments; the information is correct to TSI's knowledge.

TSI continues to actively evaluate our supply chain and operations, reflecting any changes as required for continued safe and compliant use of affected products or whenever amendments occur to the candidate list. TSI is committed to compliance with government regulations and industry standards for the protection of the environment as well as continually striving to meet the needs of our customers.

Sincerely,

Ryan Snell

Vice President - Operations

25-October-2017



TSI INCORPORATED

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Appendix A

Class I ODS

- Class I ODS are divided into eight groups.
- Class I ODS listed in Groups 1 through 5 are identified in Title VI of the Clean Air Act.
- Class I ODS listed in Groups 6 and 7, methyl bromide and hydrobromofluorocarbons, are identified in EPA's Accelerated Phaseout final rule.
- Class I ODS listed in Group 8, chlorobromomethane, is identified in EPA's Chlorobromomethane Phaseout final rule.

Chemical Name

Group I

CFC-11 (CCl3F) Trichlorofluoromethane

CFC-12 (CCl2F2) Dichlorodifluoromethane

CFC-113 (C2F3Cl3) 1,1,2-Trichlorotrifluoroethane

CFC-114 (C2F4Cl2) Dichlorotetrafluoroethane

CFC-115 (C2F5CI) Monochloropentafluoroethane

Group II

Halon 1211 (CF2ClBr) Bromochlorodifluoromethane

Halon 1301 (CF3Br) Bromotrifluoromethane

Halon 2402 (C2F4Br2) Dibromotetrafluoroethane

Group III

CFC-13 (CF3Cl) Chlorotrifluoromethane

CFC-111 (C2FCI5) Pentachlorofluoroethane

CFC-112 (C2F2Cl4) Tetrachlorodifluoroethane

CFC-211 (C3FCl7) Heptachlorofluoropropane

CFC-212 (C3F2Cl6) Hexachlorodifluoropropane

CFC-213 (C3F3Cl5) Pentachlorotrifluoropropane

CFC-214 (C3F4Cl4) Tetrachlorotetrafluoropropane

CFC-215 (C3F5Cl3) Trichloropentafluoropropane

CFC-216 (C3F6Cl2) Dichlorohexafluoropropane

CFC-217 (C3F7CI) Chloroheptafluoropropane

Group IV

CCI4 Carbon tetrachloride

Group V

Methyl Chloroform (C2H3Cl3) 1,1,1-trichloroethane

Group VI

Methyl Bromide (CH3Br)



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Chemical Name

Group VII

CHFBr2

HBFC-12B1(CHF2Br)

CH2FBr

C2HFBr4

C2HF2Br3

C2HF3Br2

C2HF4Br

C2H2FBr3

C2H2F2Br2

C2H2F3Br

C2H3FBr2

C2H3F2Br

C2H4FBr

C3HFBr6

C3HF2Br5

C3HF3Br4

C3HF4Br3

C3HF5Br2

C3HF6Br

C3H2FBr5

C3H2F2Br4

C3H2F3Br3

C3H2F4Br2

C3H2F5Br

C3H3FBr4

C3H3F2Br3

C3H3F3Br2

C3H3F4Br

C3H4FBr3

C3H4F2Br2

C3H4F3Br

C3H5FBr2

C3H5F2Br

C3H6FBr

Group VIII

CH2BrCl Chlorobromomethane



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Appendix B

Class II ODS

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ncrc-zi (cnrciz) bicilorolluoromethani	HCFC-21	(CHFCI2)	Dichlorofluoromethane
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- HCFC-22 (CHF2CI) Monochlorodifluoromethane
- HCFC-31 (CH2FCI) Monochlorofluoromethane
- HCFC-121 (C2HFCl4) Tetrachlorofluoroethane
- HCFC-122 (C2HF2Cl3) Trichlorodifluoroethane
- HCFC-123 (C2HF3Cl2) Dichlorotrifluoroethane
- HCFC-124 (C2HF4CI) Monochlorotetrafluoroethane
- HCFC-131 (C2H2FCl3) Trichlorofluoroethane
- HCFC-132b (C2H2F2Cl2) Dichlorodifluoroethane
- HCFC-133a (C2H2F3Cl) Monochlorotrifluoroethane
- HCFC-141b (C2H3FCl2) Dichlorofluoroethane
- HCFC-142b (C2H3F2Cl) Monochlorodifluoroethane
- HCFC-221 (C3HFCl6) Hexachlorofluoropropane
- HCFC-222 (C3HF2Cl5) Pentachlorodifluoropropane
- HCFC-223 (C3HF3Cl4) Tetrachlorotrifluoropropane
- HCFC-224 (C3HF4Cl3) Trichlorotetrafluoropropane
- HCFC-225ca (C3HF5Cl2) Dichloropentafluoropropane
- HCFC-225cb (C3HF5Cl2) Dichloropentafluoropropane
- HCFC-226 (C3HF6CI) Monochlorohexafluoropropane
- HCFC-231 (C3H2FCl5) Pentachlorofluoropropane
- HCFC-232 (C3H2F2Cl4) Tetrachlorodifluoropropane
- HCFC-233 (C3H2F3Cl3) Trichlorotrifluoropropane
- HCFC-234 (C3H2F4Cl2) Dichlorotetrafluoropropane
- HCFC-235 (C3H2F5Cl) Monochloropentafluoropropane
- HCFC-241 (C3H3FCl4) Tetrachlorofluoropropane
- HCFC-242 (C3H3F2Cl3) Trichlorodifluoropropane
- HCFC-243 (C3H3F3Cl2) Dichlorotrifluoropropane
- HCFC-244 (C3H3F4CI) Monochlorotetrafluoropropane
- HCFC-251 (C3H4FCl3) Monochlorotetrafluoropropane
- HCFC-252 (C3H4F2Cl2) Dichlorodifluoropropane
- HCFC-253 (C3H4F3Cl) Monochlorotrifluoropropane
- HCFC-261 (C3H5FCl2) Dichlorofluoropropane
- HCFC-262 (C3H5F2Cl) Monochlorodifluoropropane
- HCFC-271 (C3H6FCI) Monochlorofluoropropane