Appendix A Raw Materials Inventory (Information for Installation Processes Only)

Project Number: 2014-020.001 - Ashby-de-la-Zouch

Date: May 2014

Environmentally Hazardous

Environmentally Non-Hazardous

NDA - No Details Available

NG - Not Given

Raw Material Trade Name	Supplier	Processes where Raw Material is Used	Principal Uses	Description of Chemical Constituents (includes weight (%) of each component)	Package Size	Annual Usage	Unit of Measure	ID (CAS No)	Usage of Chemical Constituent	Hazardous or Non-Hazardous Substance	Hazard in EC Dangerous Substances Directive (76/464/EEC) (List I, II or N)	Hazard Statement (According to (EC) No. 1272/2008 [CLP])	Chemical Constituent Risk Phrases	Environmental Specific Risk Phrases R50 - R59 (Y or N)	Chemical Constituent Safety Phrases	Chemical Constituent Mammalian effects	Chemical Constituent Ecotoxicity	Chemical Constituent Bioaccumulation Potential	Chemical Constituent Environmental Fate	Fate/Disposal Method
Xylene (mixture of Isomers)	VWR International Ltd	Manufacturing Process	Shell Moulding	Xylene (Mixture of Isomers)	200	6,200	litres	1330-20-7	Thinner	Hazardous	List I	H226, H312, H332, H315	R10, R20/21, R38	N	S25	Acute Toxicological Effect (Rats) LD50 - 2,840mg/kg Acute Dermal Toxicity (Rabbit) LD50 - Minimum 4,350 mg/kg No Indication of human carcinogenicity, germ cell mutagenic or adverse repro effects	NDA	NDA	NDA	Removal of mixed dispersion/silicone by Chemtec
Tetrachloroethylene	Fisher Scientific UK	Manufacturing Process	Shell Moulding	Tetrachloroethylene (> 95 %)	25	1,303	litres	127-18-4	Thinner	Hazardous	List I	**H351**, H411, H315, H317, H336	R40, R51-53, R38, R43, R67	Y	NG	Acute Toxicological Effect (Rats) LD50 - 2,629mg/kg Mutagenic effects have occurred in humans. Effects have been noted on reproductive systems, development and target organs in laboratory animals	Toxic to aquatic animals	NDA	NDA	Removal of mixed dispersion/silicone by Chemtec
n-Butyl Acetate	Fisher Scientific UK	Manufacturing Process	Shell Moulding	n-Butyl acetate (> 95 %)	2.5	82.6	litres	123-86-4	Thinner	Non-Hazardous	N	H226, H336	R10, R65, R67	N	NG	Acute and chronic affects if inhaled.	Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plant.	Bioaccumulation is unlikely	Substance is not considered persistent. Will likely be mobile in the environment due to the high water solubility. Highly mobile in soils.	Removal of mixed dispersion/silicone by Chemtec
Sodium Chloride	Merck Group	Manufacturing Process	Texturing	NDA	25	2,800	kilogramms	7647-14-5	Texturing	Non-Hazardous	N	NDA	NG	-	NG	NDA	NDA	NDA	NDA	General Waste
Isopropanol Alcohol	ReAgent	Cleaning Process	Cleaning of Equipment and Clean Room	Propanol-2-ol tech	200	4,108	litres	67-63-0	Cleaning	Non-Hazardous	N	H225, H319, H336	R11, R36, R67	N	NG	Irritating to eyes, may irrate respiratory system, inhalation may cause drowsiness, ingestion of large doses may be fatal.	NDA	Will not bioaccumulate	Product will evaporate from soil and water surfaces. Product will undergo biodegradation in soil and water. Product is not expected to travel in groundwater	Removal of IPA by Chemtec
Responsive Gel_PN 40004	Applied Silicone Corporation	Manufacturing Process	Shell Filling	Silicon fluid (100 %)	204	10,132	kilogramms	NG	Gel Filling within Shells	Non-Hazardous	N	NDA	NG	-	NG	Not considered a potential hazard	Not considered a potential hazard	NDA	Insoluble in water and essentially non-volatile	Not considered as hazardous waste
Primer_PN 40096	Applied Silicone Corporation	Manufacturing Process	Shell Filling	Xylene 70 - 75 % Ethylbenzene 10 - 30 % Alkyl Silicate NG Isopropyl Orthotitanate 3 - 7 %	1	5.808	pint	1330-20-7 100-41-4 NG 546-68-9 NG	Silicone elastomer dispersion	Hazardous	List I	NDA	NG	-	NG	Causes skin, eye and respiratory tract irritation and central nervous system depression.	NDA	NDA	Insoluble in water. Oxidative/Thermal decomposition	Hazardous waste
LSR10-1-PART-A-B_PN 40029	Applied Silicone Corporation	Manufacturing Process	Shell Filling	Polydimethylsiloxane, Vinyl Terminated 80 % Fumed Silica 20 %				NG NG	Silicone elastomer dispersion	Non-Hazardous	N	NDA	NG	-	NG	Low oral and dermal toxicity and unlikley to be inhaled.	NDA	NDA	Thermal and Oxidative decomposition	Not considered hazardous
HS RTV Silicone Elastomer_PN 40021	Applied Silicone Corporation	Manufacturing Process	Shell Filling	Xylene 52 - 65 % Ethylbenzene < 13 % Silicone Elastomer 35 % Methyl Triacetoxy Silane < 2 %	204	204	kilogramms	1330-20-7 100-41-4 NG 4253-34-3	Silicone elastomer dispersion	Hazardous	List I	NDA	NG	-	NG	Xylene can be irrating to eyes and skin and the product is suspected or considered probable as a human carcinogen	NDA	NDA	Thermal and Oxidative decomposition	Hazardous waste
HS Firm Silicone Gel_PN 40135	Applied Silicone Corporation	Manufacturing Process	Shell Filling	Silicone fluid (100 %)	204	12,146	kilogramms	NG	Silicone elastomer dispersion	Non-Hazardous	N	NDA	NG	-	NG	Not considered a potential hazard	NDA	NDA	Insoluble in water and essentially non-volatile	Not considered to be hazardous
HS Firm Gel_PN 40022	Applied Silicone Corporation	Manufacturing Process	Shell Filling	Silicone fluid (100 %)	204	320	kilogramms	NG	Silicone elastomer dispersion	Non-Hazardous	N	NDA	NG	-	NG	Not considered a potential hazard	NDA	NDA	Insoluble in water and essentially non-volatile	Not considered to be hazardous
Fluoro Dispersion_PN 40130	Applied Silicone Corporation	Manufacturing Process	Shell Filling	Silicone Elastomer 18 % Butyl Acetate 4 % Perchloroethylene 78 %	204	2,876	kilogramms	NG	Silicone elastomer dispersion	Non-Hazardous	N	NDA	NG	-	NG	Causes skin, eye and respiratory tract irritation. Can adversely affect kidneys, pulmonary system, nervous system, and liver	NDA	NDA	Soluble in water	Removed with Hazardous waste
Dimethyl Dispersion_PN 40000	Applied Silicone Corporation	Manufacturing Process	Shell Filling	Xylene 52 - 65 % Ethylbenzene < 13 % Silicone Elastomer 35 %	204	12,444	kilogramms	1330-20-7 100-41-4 NG	Silicone elastomer dispersion	Hazardous	List I	NDA	NG	-	NG	Causes skin, eye and respiratory tract irritation and central nervous system depression. Can adversely affect kidneys and liver	NDA	NDA	Insoluble in water	Hazardous waste