



MATERIAL SAFETY DATASHEET

		SECTION I : MAT						
PRODUCT NAME *(As used on Label and List)	TerraOxi		MANUFACTURER'S NAME & ADDRESS: Japan Air Filter Malaysia Sdn Bhd Lot 4, Jalan Halba 16/16, Section 16, Shah Alam Industrial Estate, 40200 Shah Alam,Selangor, Malaysia.					
CHEMICAL IDENTITY	Activated Alumina with Potassium Permanganate		Phone No : +603 5510 1810 Fax : +603 5510 3390 Website : www.japanairfilter.com					
CHEMICAL FORMULA	Al ₂ O ₃ + H ₂ O +	⊦ KMnO₄	SUPPLIER'S NAME & ADDRESS: Japan Air Filter Malaysia Sdn Bhd Lot 4, Jalan Halba 16/16, Section 16,					
CHEMICAL FAMILY	Inorganic Oxid	dizer	Shah Alam Industrial Estate, 40200 Shah Alam,Selangor, Malaysia. Emergency Phone No : +603 5510 1810					
MATERIAL USE	Gaseous air p	seous air purification MOLECULAR WEIGHT : N/A						
SECTION II : HAZARDOUS INGREDIENTS OF MATERIAL								
COMPONENT IDENTITY, COMMON NAME(S)			% By \	Weight	CAS number UN num		UN number	
ALUMINIUM OXIDE (Al ₂ O ₃)			>!	90	1344-28-1		N/A	
POTASSIUM PERMANGANATE (KMnO ₄)			<	<8	772	22-64-7	1490	
	SECTION	III : PHYSICAL C	CHARACTER	ISTICS OF N	IATERIAL			
Physical State	Physical State Odor and Appearance			Odor Threshold Apparent bulk		density (dry)		
Solid		Purple pellets		N/A pp		800 [g/l] ±10%		
Pellet diameter 3.0 - 5.0 mm	Hardness (as	Hardness (as packed) >50 %		Moisture content 15 - 25 wt%		Abrasion < <i>4.5</i> %		
Crush Strength	Impregnants			Hydrogen Sulphide (H ₂ S) Gas Capacity				
50N ±10%	8 %	6 KMnO₄		0.10 - 0.12 g/cc				
Removal Capacities (min)								
Hydrogen Sulphide: 14 wt%; Sulphur Dioxide: 7 wt%; Nitrogen Dioxide: 21 wt%; Nitrogen Oxide: 5 wt%; Formaldehyde: 2.5 wt%								
SECTION IV : FIRE AND EXPLOSION HAZARD OF MATERIAL								
Flammability <i>No</i>	If ves. under which conditions: N/A							
Suitable Extinguishing Agents All agents commonly used (Water, CO ₂ , Foam, Dry chemical powders)								
Unsuitable Extinguishing Agents Explosion Hazard								
None.		None	ne CO may		be generat	ted in case of c	ombustion.	
SECTION V : REACTIVITY DATA OF MATERIAL								
Chemical Stability If no, under which conditions: N/A Yes								
Incompatible to other products Yes If yes, under which			n conditions:	Strong reducir	ng agents a	nd easily oxidiz	zing agents.	
Hazardous Decomposition P	Products <i>N/A</i>							
	SECTION VI:	TOXICOLOGICA	AL CHARAC	TERISTICS C	F MATER	RIAL		
Route of Entry ☑ Skin Contact	✓ Eve	Contact		ation Acute	☑ Ingestion			
☑ Skin Contact ☐ Skin Absorption Effects of Acute Exposure			<u> </u>	Comaci		allon Acute	E Ingestion	
May cause irritation to the eyes and mucous membranes; causes sneezing.								
Effects of Chronic Exposure								
N/A □ Carcinogenicity □ Mutagenicity □ Teratogenicity □ Reproductive effe					affants			
N/A						Fellecis		



PRODUCT NAME: TerraOxi **SECTION VII: ECOLOGICAL CHARACTERISTICS OF MATERIAL Ecotoxicity** Bioaccumulation Potential N/A Persistence/ Degradability Mobility in Soil N/A Other Adverse Effects N/A. If product gets wet, potassium permanganate may leach out. **SECTION VIII: PREVENTIVE MEASURES** Personal Protective Equipment See below Gloves (Specify) Clothing (Specify) Respiratory (Specify) Footwear (Specify) Particulate Mask Rubber Rubber Eye (Specify) Other (Specify) Full face shield/ safety glasses or goggles N/A Engineering Controls (e.g. ventilation, enclosed process; specify) Handle in a well ventilated area. Leak and Spill Procedure Avoid direct contact. If dry, scoop/ rake, avoid raising dust.Remove to appropriate storage area prior do disposal. Waste Disposal Dispose in accordance to government regulations. Handling Procedures and Equipment Do not get in eyes, on skin or clothing. Do not breathe dust. Storage Requirements Store in cool, dry, ventilated storage and in closed containers. Keep away from oxidizers, heat, or flames. Store away from ignition sources. Transportation and Shipping Information Transport product in compliance with government regulations. **SECTION IX: FIRST AID MEASURES** Skin Wash contaminated area with copious amounts of water. Eye Flush eyes with the eyelids open for 15 minutes. Consult a physician. Inhalation Move to clean air. Consult a physician. Ingestion Do not induce vomiting. Drink plenty of water. Seek medical attention. General advice Wash hands before eating or smoking. Wash contaminated clothing. **SECTION X: OTHER INFORMATION** Data in this sheet refers only to general safety requirements. They are based on our present knowledge. However, the above data shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual agreement. The above data sheet will be periodically reviewed and modified by our technical team. For any more information, please consult our manufacturing team at the above given contact details.