

MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

PRODUCT NAME OR NUMBER (as it appears on label) Brush Seater and Commutator Cleaner		CATALOG NUMBER All "23" Series
MANUFACTURER'S NAME IDEAL INDUSTRIES, INC.		EMERGENCY TELEPHONE NO. (815) 895-5181
ADDRESS (Number, Street, City, State, Zip Code) Becker Place, Sycamore, IL 60178		
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) None		
CHEMICAL DESCRIPTION Powder - Mixture	FORMULA Proprietary	

SECTION I - INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)*	Listed as a carcinogen in NTP, IARC or OSHA 1910(z) (specify)
14808-60-7	<90	Silica Sand	No* (see section IX)
1344-09-8	<11	Sodium Silicate	No
69011-84-3	<1	Surfactant	No
140-95-4	<1	Dimethylol Urea	No

SECTION II - PHYSICAL DATA

BOILING POINT None °F °C	SPECIFIC GRAVITY (H ₂ O=1) N/A	PERCENT VOLATILE BY VOLUME (%) None
SOLUBILITY IN WATER Insoluble	pH = N/A	PERCENT SOLID BY WEIGHT (%) ~100
APPEARANCE AND ODOR White porous solid, mild odor	IS MATERIAL: LIQUID <u>SOLID</u> GEL GAS PASTE POWDER	

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT None method used: C.O.C.	FLAMMABLE LIMITS	LEL None	UEL None
EXTINGUISHING MEDIA None normally required			
SPECIAL FIRE FIGHTING PROCEDURES Use extinguishing media suitable for surrounding materials			
UNUSUAL FIRE AND EXPLOSION HAZARDS Use self-contained breathing apparatus with full face shield			

* None of the chemical raw materials contained in this formulation are considered hazardous under the Federal Hazards Communication Standard 29 C. F. R 1910.1200

SECTION IV - HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE - Conditions to Avoid <p align="center">Avoid breathing dust Use respirator if necessary</p>
THRESHOLD LIMIT VALUE <p align="center"><10 mg/m³ NIOSH recommended exposure limit - 0.01 micrograms/m³</p>
PRIMARY ROUTES OF ENTRY Inhalation <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Other (specify) Dust released in use.
EMERGENCY FIRST AID PROCEDURES SKIN CONTACT: Wash with soap and water EYE CONTACT: Flush with water for 15 minutes INGESTION: Do not induce vomiting Consult physician

SECTION V - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID	None
	STABLE	X		
INCOMPATIBILITY (materials to avoid) <p align="center">Avoid hydrofluoric acid</p>				
HAZARDOUS DECOMPOSITION PRODUCTS: <p align="center">None</p>				
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID	None
	WILL NOT OCCUR	X		

SECTION VI - SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED <p align="center">Sweep up dust Wear necessary protective equipment</p>	
WASTE DISPOSAL METHOD	
CERCLA (Superfund) REPORTABLE QUANTITY (in lbs)	
RCRA HAZARDOUS WASTE NO. (40CFR 261.33) <p align="center">N/A</p>	
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water) <p align="center">N/A</p>	
<input type="checkbox"/> Theoretical ____ lb/gal N/A	<input type="checkbox"/> Analytical ____ lb/gal N/A

SECTION VII - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type) <p align="center">Use NIOSH / OSHA respirator to remove silica dust</p>			
VENTILATION	LOCAL EXHAUST (Specify Rate)	May be necessary	SPECIAL None
	MECHANICAL (General) (Specify Rate)		OTHER None
PROTECTIVE GLOVES (specify type) <p align="center">None</p>	EYE PROTECTION (specify type) <p align="center">Safety goggles</p>		
OTHER PROTECTIVE EQUIPMENT <p align="center">None</p>			

SECTION VIII - SPECIAL PRECAUTIONS


PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING <p align="center">Keep in dry location</p>
OTHER PRECAUTIONS <p align="center">Keep away from children infants and pets</p>

SECTION IX - ADDITIONAL INFORMATION

This product contains the following materials that are subject to the reporting requirements of Section 313 of EPCRA: 14808-60-7 Crystalline Quartz Silica - 86%

N/A = Not Applicable, N.E. = None Established

THIS MATERIAL SAFETY DATA SHEET PREPARED BY:

NAME	James R. MacMurdo	SIGNATURE 
TITLE	Director, Corporate Quality Assurance	
DATE	6/24/2003	