

MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

PRODUCT NAME OR NUMBER (as it appears on label) Electronic Switch and Contact Cleaner		CATALOG NUMBER 40-610
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 Hydrocarbon Blend	FORMULA Proprietary	

SECTION I - INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)*	Listed as a carcinogen in NTP, IARC or OSHA 1910(z) (specify)
64742-89-8	<10%	Heptane	No
109-66-0	<30%	n-Pentane	No
107-83-5	<30%	Isohexane	No
110-82-7	<20%	Cyclohexane	No
811-97-2	<30%	Tetrafluoroethane	No

SECTION II - PHYSICAL DATA

BOILING POINT -40°F -408 °C	SPECIFIC GRAVITY (H ₂ O=1) 0.7605	PERCENT VOLATILE BY VOLUME (%) 100%
SOLUBILITY IN WATER Negligible	pH = Not Applicable	PERCENT SOLID BY WEIGHT (%) 0%
APPEARANCE AND ODOR Yellow liquid foam, slight perfume odor.	IS MATERIAL: LIQUID SOLID GEL FOAM GAS PASTE POWDER	

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT -40°F	method used C.O.C	FLAMMABLE LIMITS 33.48 kJ/g established
EXTINGUISHING MEDIA CO ₂ , Foam, Dry Chem.		

SPECIAL FIRE FIGHTING PROCEDURES
Self-contained respiratory protection should be provided for firefighters.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Risk of ignition. Stable under normal conditions.

* 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 Eyes - burning & irritation, Skin - mild irritation, Inhalation - intentional misuse can be harmful or fatal, Ingestion - gastrointestinal irritation, nausea, vomiting, diarrhea.	
THRESHOLD LIMIT VALUE	No established
PRIMARY ROUTES OF ENTRY	<input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Skin Contact
EMERGENCY FIRST AID PROCEDURES	
SKIN CONTACT:	Wash area thoroughly with soap & water
EYE CONTACT:	BREATHING: Flush with large amounts of water for 15 minutes; get medical attention
INGESTION:	DO NOT induce vomiting. Call a physician immediately.

SECTION V - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Avoid prolonged storage at temperatures exceeding 120°F.
INCOMPATIBILITY (materials to avoid) Avoid strong oxidizers.			
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	None

SECTION VI - SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	
Remove sources of ignition, stop leak if possible, ventilate area.	
WASTE DISPOSAL METHOD Wipe up with absorbent material in accordance with local, state and federal guidelines.	
CERCLA (Superfund) REPORTABLE QUANTITY (in lbs) None Required	
RCRA HAZARDOUS WASTE NO. (40CFR 261.33) None Required	
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water) 100%	
³ Theoretical ____ lb/gal	N/A
³ Analytical ____ lb/gal	N/A

SECTION VII - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type) None normally required			
VENTILATION	LOCAL EXHAUST (Specify Rate)	See below	SPECIAL None
	MECHANICAL (General) (Specify Rate)	Recommended in closed areas	OTHER None
PROTECTIVE GLOVES (specify type) Neoprene	EYE PROTECTION (specify type) Safety glasses or splash goggles.		
OTHER PROTECTIVE EQUIPMENT Provide local exhaust to insure TLV and LFL limits are not exceeded.			


SECTION VIII - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Use product in areas with good ventilation. Do not pierce or burn, even after use.
OTHER PRECAUTIONS	

SECTION IX - ADDITIONAL INFORMATION

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	4/14/2008	