MATERIAL SAFETY DATA SHEET

FOR EVALUATION PURPOSES ONLY

Revision 1
Prepared 2011-05-05

SECTION 1 - IDENTIFICATION

Product Name: 14 oz. Coil Cleaner Lith 6 pk Product Code: 06500011f

TradeName(s):

SUPPLIER:

IN CASE OF CHEMICAL EMERGENCY CALL CHEMTREC AT 1-800-424-9300

COMPANY NAME
ADDRESS
CITY, STATE ZIP CODE
PHONE NUMBER

PACKAGED BY:

PLAZE INCORPORATED
105 BOLTE LANE
ST. CLAIR, MISSOURI 63077
636-629-3400

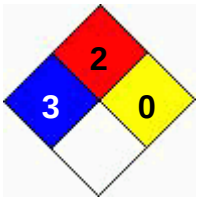
SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components, according to OSHA are listed when present at 1% or greater.
Carcinogens are listed when present at 0.1% or greater

Chemical Name / CAS No	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
WATER 7732-18-5 80 to 90%	None Established		
ETHYLENE GLYCOL N-BUTYL ETHER, EB 111-76-2 5 to 10%	25 PPM	20 PPM	
PROPANE 74-98-6 1 to 5%	1000 ppm PEL 2100 ppm IDLH		
BUTANE 106-97-8 1 to 5%	800 ppm TWA		
GLYCOL ETHER DE 111-90-0 1 to 5%	None Established		25 ppm TWA
SECONDARY ALCOHOL ETHOXYLATE 84133-50-6 1 to 5%	None Established		
SODIUM METASILICATE 6834-92-0 0.1 to 1.0%	15MG/M3 PEL		
SODIUM BENZOATE 532-32-1 0.1 to 1.0%	None Established		
AQUA AMMONIA 1336-21-6 0.0 to 0.1%	25 ppm		

SECTION III - HAZARD IDENTIFICATION

EFFECTS OF OVEREXPOSURE: INHALATION: SHORTNESS OF BREATH, DIZZINESS AND LIGHTHEADENESS. EYE: CAN CAUSE IRRITATION. SKIN: SLIGHT IRRITATION AND CAN CAUSE DERMATITIS. INGESTION: MAY CAUSE CHEMICAL PNEUMONIA IF ASPIRATED INTO LUNG.



HMIS Rating: 3 - 2 - 0

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT, SKIN ABSORPTION, INHALATION, INGESTION, EYE CONTACT

ACUTE TOXICITY: NOT DETERMINED

Effects of Overexposure, BUTANE

EYE CONTACT	THE GAS PHASE IS NOT EXPECTED TO CAUSE EYE IRRITATION. THE LIQUID PHASE CAN CAUSE FROSTBITE AND BURNS
SKIN CONTACT	CONTACT CAN CAUSE SKIN BURNS AND FROSTBITE
INHALATION	THIS PRODUCT IS AN ASPHYXIATE AND MAY EXHIBIT ANESTHETIC PROPERTIES AT HIGH CONCENTRATIONS.
INGESTION	THIS MATERIAL IS GAS UNDER NORMAL ATMOSHPERIC CONDITIONS

Effects of Overexposure, ETHYLENE GLYCOL N-BUTYL ETHER, EB

EYE CONTACT	MAY CAUSE MODERATE EYE IRRITATION WHICH MAY BE SLOW TO HEAL.
SKIN CONTACT	PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION. EXCESSIVE EXPOSURE MAY CAUSE HEMOLYSIS, THEREBY IMPAIRING THE BLOOD'S ABILITY TO TRANSPORT OXYGEN.
INGESTION	SINGLE DOSE TOXICITY IS CONSIDERED TO BE MODERATE. SMALL AMOUNTS SWALLOWED INCIDENTALY ARE NOT LIKELY TO CAUSE INJURY. SWALLOWING LARGER AMOUNTS MAY CAUSE INJURY.
INHALATION	SINGLE PROLONGED (HOURS) EXCESSIVE INHALATION EXPOSURE MAY CAUSE ADVERSE EFFECTS. EXCESSIVE EXPOSURE MAY CAUSE IRRITATION TO THE UPPER RESPIRATORY TRACT.

Effects of Overexposure, AQUA AMMONIA

INHALATION	HIGHLY IRRITATING TO THROAT AT 400PPM, CAUSES EDEMA, DYSPNOEA, BRONCHOSPASM, CHEST PAINS. INHALATION OF 500PPM IS CONSIDERED IMMEDIATELY DANGEROUS TO LIFE AND HEALTH.
EYE/SKIN CONTACT	INTENSELY IRRITATING TO EYES AND CAN CAUSE CORNEAL ULCERATION OR BLINDNESS. IT IS CORROSIVE TO THE SKIN AND CAN CAUSE SEVERE BURNS.
INGESTION	CAUSES EXTREME BURNING AND POSSIBLE DEATH FROM SHOCK OR ASPHYXIA.

Effects of Overexposure, SODIUM METASILICATE

EYE CONTACT	CAN CAUSE IRREVERSIBLE EYE DAMAGE.
SKIN CONTACT	CAN CAUSE MILD IRRITATION.
INHALATION	MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT.
INGESTION	MAY CAUSE IRRITATION.

Effects of Overexposure, PROPANE

EYE CONTACT	THE GAS PHASE IS NOT EXPECTED TO CAUSE EYE IRRITATION. THE LIQUID PHASE CAN CAUSE FROSTBITE AND BURNS
SKIN CONTACT	CONTACT CAN CAUSE SKIN BURNS AND FROSTBITE
INHALATION	THIS PRODUCT IS AN ASPHYXIATE AND MAY EXHIBIT ANESTHETIC PROPERTIES AT HIGH CONCENTRATIONS.
INGESTION	THIS MATERIAL IS GAS UNDER NORMAL ATMOSHPERIC CONDITIONS

CARCINOGENICITY: NOT DETERMINED

CHRONIC PROLONGED EXPOSURE ABOVE THE OSHA PERMISSIBLE EXPOSURE LIMITS (PEL) MAY RESULT IN KIDNEY AND LIVER DAMAGE

SECTION IV - FIRST AID INFORMATION

INHALATION: REMOVE INDIVIDUAL TO FRESH AIR. GIVE OXYGEN IF BREATHING IS LABORED. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND SEEK MEDICAL ATTENTION.
EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 20 MINUTES. LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION
SKIN: THOROUGHLY WASH EXPOSED SKIN WITH SOAP AND WATER.

IF SWALLOWED: DO NOT INDUCE VOMITTING. IMMEDIATELY DRINK TWO GLASSES OF WATER. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION,

SECTION V - FIRE FIGHTING INFORMATION

Flash Point: None
Autoignition: NOT DETERMINED
LEL: 1.2 %
UEL: 23.5 %

EXTINGUISHING MEDIA: ALCOHOL FOAM, CO2, DRY CHEMICAL, FOAM OR WATER FOG
FIRE/EXPLOSION HAZARDS: MATERIAL IS HIGHLY VOLATILE AND READILY GIVES OFF VAPORS WHICH MAY TRAVEL ALONG THE GROUND AND IGNITED BY PILOT LIGHTS, FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGES OR OTHER IGNITION SOURCE DISTANT FROM THE HANDLING POINT.
BURNING CAN PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE

FIRE FIGHTING: WATER MAY BE USED COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT
FIRE EQUIPMENT: WEAR A FULL FACE POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS (SCBA) WHEN FIGHTING FIRE

SECTION VI - SPILL OR LEAK PRCEDURES

GENERAL SPILL PROCEDURE: ISOLATE SPILL OR LEAK AREA IMMEDIATELY. KEEP UNAUTHORIZED PERSONNEL AWAY. VENTILATE AREA AND ELIMINATE ALL IGNITION SOURCES.
SMALL SPILLS: CLEAN UP WITH INERT MATERIALS AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
LARGE SPILLS: DIKE AHEAD OF SPILL FOR LATER DISPOSAL. DO NOT DISCHARGE EFFLUENT OF THIS PRODUCT INTO LAKES, STREAMS OR OTHER WATERS UNLESS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.

VII - HANDLING AND STORAGE

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.
DO NOT STORE IN DIRECT SUNLIGHT, NEAR OPEN FLAMES/SPARKS OR AT TEMPERATURES EXCEEDING 120F

VIII - EXPOSURE CONTROLS

PROVIDE GENERAL AMD/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE EXPOSURE GUIDLINE
GENERAL VENTILATION MAY BE ADEQUATE FOR MAINTIANING AIRBORNE CONCENTRATIONS BELOW ESTABLISHED EXPOSURE LIMITS. IF GENERAL VENTILATION IS INADEQUATE, SUPPLEMENTAL LOCAL EXHAUST MAY BE REQUIRED. WHERE EXPLOSIVE MIXTURE MAY BE PRESENT, SYSTEMS SAFE FOR SUCH LOCATIONS SHOULD BE USED.

RECOMMENDED FOR PROLONGED OR REPEATED CONTACT. WEAR PROTECTIVE EQUIPMENT RECOMMENDED FOR USE WITH CHEMICALS LISTED IN SECTION II
CONTAMINATED EQUIPMENT/GEAR: LAUNDER ALL CONTAMINATED CLOTHING PRIOR TO RE-USE

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	NOT DETERMINED
Odor	NOT DETERMINED
Physical State	NOT DETERMINED
Vapor Density	NOT DETERMINED
Evaporation Rate	IS SLOWER THAN ETHER
Boiling Range	NOT DETERMINED

SECTION X - STABILITY AND REACTIVITY

STABLE UNDER NORMAL CONDITIONS. KEEP AWAY FROM HEAT, SPARKS OR OPEN FLAMES.

AVOID CONTACT WITH STRONG OXIDIZING AGENTS
AVOID CONTACT WITH STRONG ACIDS, HALOGENS, NON-FERROUS METALS, BORON, CHLORITES, CHROMIUM TRIOXIDE, DIMETHYL SULFATE, ETHYLENE OXIDE, GOLD, MERCURY, NITROGEN TETROXIDE AND OLEUM.

BURNING CAN PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE

HEATING FORMS GASEOUS AMMONIA. NORMAL COMBUSTION PRODUCTS ARE NITROGEN AND WATER BUT OXIDES OF NITROGEN MAY BE FORMED UNDER CERTAIN CONDITIONS.

SECTION XI - TOXICOLOGY

NOT DETERMINED

SECTION XII - ECOLOGICAL

NOT DETERMINED

SECTION XIII - DISPOSAL

EMPTY CONTAINERS MAY BE DISPOSED OF THROUGH NORMAL CHANNELS. FULL OR PARTIALLY FULL CONTAINERS ARE CONSIDERED HAZARDOUS WASTE AND MUST BE DISPOSED OF ACCORDINGLY.

SECTION XIV - TRANSPORTATION

DEPARTMENT OF TRANSPORTATION: FOR DOT REGULATORY INFORMATION, IF REQUIRED, CONSULT TRANSPORTATION REGULATIONS OF PRODUCT SHIPPING PAPERS.

SECTION XV - REGULATORY

ALL INGREDIENTS ARE ON THE TSCA INVENTORY OR ARE NOT REQUIRED TO BE LISTED ON THE TSCA INVENTORY

SECTION XVI - OTHER INFORMATION

INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING VAPORS AND INHALING CONTENTS CAN BE HARMFUL OR FATAL

DISCLAIMER: THE FORGOING INFORMATION HAS BEEN COMPLIED FROM SOURCES BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE. RECIPIENTS ARE ADVISED TO CONFIRM IN PRIOR TO USE THAT THE DATA IS CORRECT. STANDARDS CHANGE WITHOUT NOTICE. IT IS THE RESPONSIBILITY OF THE RECIPIENT TO ASSURE THAT THEIR PERSONNEL HAVE BEEN NOTIFIED OF ANY CHANGES WHICH MAY AFFECT THEM. THE DATA PROVIDED ON THIS MSDS ARE NOT MEANT TO BE USED AS SPECIFICATIONS, ONLY AS GUIDELINE INFORMATION AS TO THE SAFE USE OF THE PRODUCT. THE USER SHOULD REFER TO APPLICABLE LAWS BEFORE USE. THIS MSDS COMPLIES WITH GUIDELINES SET BY 29CFR1910.1200