



Material Safety Data Sheet

SECTION I - Material Identity
 SECTION II - Manufacturer's Information
 SECTION III - Physical/Chemical Characteristics
 SECTION IV - Fire and Explosion Hazard Data
 SECTION V - Reactivity Data
 SECTION VI - Health Hazard Data
 SECTION VII - Precautions for Safe Handling and Use
 SECTION VIII - Control Measures
 SECTION IX - Label Data
 SECTION X - Transportation Data
 SECTION XI - Site Specific/Reporting Information
 SECTION XII - Ingredients/Identity Information

SECTION I - Material Identity

Item Name	
Part Number/Trade Name	MINERAL SPIRITS KLEAN STRIP, PN-GMS44
National Stock Number	8010008377969
CAGE Code	25451
Part Number Indicator	A
MSDS Number	181849
HAZ Code	B

SECTION II - Manufacturer's Information

Manufacturer Name	KLEAN-STRIP DIVISION OF W M BARR & COMPANY
P.O. Box	1879
Street	2105 CHANNEL AVE
City	MEMPHIS
State	TN
Country	US
Emergency Phone	901-775-0100
Information Phone	901-775-0100

MSDS Preparer's Information

MSDS Preparer Name	N/K
Date MSDS Prepared/Revised	13JUN89
Date of Technical Review	14MAY92
Active Indicator	N
Item Manager	GSA

Alternate Vendors

Vendor #5 CAGE	BMXJF
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SECTION III - Physical/Chemical Characteristics

Specification Number	TT-T-291
Specification Type/Grade/Class	TYPE 3
Hazard Storage Compatibility Code	N/-K
NRC License Number	N/K
Net Propellant Weight (Ammo)	N/K
Appearance/Odor	N/K
Boiling Point	316 TO 360F
Melting Point	N/K
Vapor Pressure	N/K
Vapor Density	> AIR
Specific Gravity	.765
Decomposition Temperature	N/K
Evaporation Rate	SLOWER THAN ETHER
Solubility in Water	N/K
Percent Volatiles by Volume	100.0
Chemical pH	N/K
Corrosion Rate	N/K
Container Pressure Code	4
Temperature Code	8
Product State Code	L

SECTION IV - Fire and Explosion Hazard Data

Flash Point	104
Flash Point Method	TCC
Lower Explosion Limit	N/K
Upper Explosion Limit	N/K
Extinguishing Media	USE CARBON DIOXIDE, DRY POWDER OR FOAM
Special Fire Fighting Procedures	USE SELF-CONTAINED RESP PROTECT WHEN FIGHTING FIRES IN BUILDINGS OR CONFINED AREAS. COOL CONTAINERS EXPOSED TO FIRE W/WATER SPRAY TO PREVENT

Unusual Fire/Explosion Hazards	PRESSURE BUILD-UP KEEP CONTAINER TIGHTLY CLOSED. CAUTION. COMBUSTIBLE. KEEP AWAY FROM HEAT, SPARKS, FLAME AND ALL OTHER SOURCES OF IGNITION
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SECTION V - Reactivity Data

Stability	YES
Stability Conditions to Avoid	N/K
Materials to Avoid	STRONG OXIDIZING AGENTS
Hazardous Decomposition Products	CARBON MONOXIDE AND CARBON DIOXIDE
Hazardous Polymerization	NO
Polymerization Conditions to Avoid	N/K
LD50 - LD50 Mixture	N/K

SECTION VI - Health Hazard Data

Route of Entry: Skin	YES
Route of Entry: Ingestion	YES
Route of Entry: Inhalation	YES
Health Hazards - Acute and Chronic	SHORT TERM: INHAL: MAY CAUSE DIZZINESS, HEADACHE, NAUSEA & EYE WATERING. SEVERE OVEREXPOS MAY CAUSE DEPRESSION OF CENTRAL NERV SYS & UNCONSCIOUSNESS. INGESTION: HARMFUL/FATAL IF SWALLOWED. NAUSEA, DIARRHEA & GASTROINTEST IRRIT. EYE: IRRIT. LONG TERM: SKIN IRRIT. NEUROLOGICAL, PHYSIOLOGICAL DAMAGE
Carcinogenity: NTP	N/P
Carcinogenity: IARC	N/P
Carcinogenity: OSHA	N/P
Explanation of Carcinogenity	N/K
Symptoms of Overexposure	N/K
Medical Cond. Aggravated by Exposure	NONE RECOGNIZED
Emergency/First Aid Procedures	INHALATION: IF USER EXPERIENCES BREATHING DIFFICULTY, MOVE TO AIR FREE OF VAPORS. ADMIN OXYGEN OR ARTIFICIAL RESPIRATION TILL MED AID CAN BE RENDERED. INGESTION: DO NOT INDUCE VOMITING. CALL POISON CONTROL CTR, EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY. SKIN:

WASH WITH SOAP & WATER. EYE:
 FLUSH WITH LARGE QUANTITIES OF
 WATER FOR AT LEAST 15 MINUTES.
 IF IRRIT FROM CONTACT PERSISTS
 GET MED AID

SECTION VII - Precautions for Safe Handling and Use

Steps if Material Released/Spilled	AVOID BREATHING VAPORS. VENTILATE AREA. FLUSH LARGE SPILLS OF MATERIAL INTO SUITABLE RETAINING AREA OR CONTAINERS WITH LARGE QUANTITIES OF WATER. SMALL SPILLS CAN BE ABSORBED BY APPROPRIATE INERT ABSORBENT
Neutralizing Agent	N/K
Waste Disposal Method	DISPOSE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS
Handling and Storage Precautions	DO NOT STORE NEAR FLAMES OR AT ELEVATED TEMPERATURES. READ CAREFULLY ALL CAUTIONS AND DIRECTION ON PRODUCT LABEL BEFORE USE
Other Precautions	SINCE EMPTY CONTAINER RETAINS RESIDUE, FOLLOW ALL LABEL WARNINGS EVEN AFTER CONTAINERS IS EMPTY. DISPOSE OF EMPTY CONTAINERS ACCORDING TO LOCAL REGULATIONS

SECTION VIII - Control Measures

Respiratory Protection	FOR OSHA CONTROLLED WORK PLACE, USE W/VENT UNDER ENGINEERED AIR CONTROL SYS DESIGNED TO PROVIDE MAX APPROP TLV. FOR OCCASIONAL USE WHERE ENGINEERED AIR CONTROL IS NOT FEASIBLE, USE NIOSH RSPRTRS. FOR OCCASIONAL CONSUMER USE, ADEQUATE VENT
Ventilation	ADEQUATE VENTILATION MUST BE PROVIDED. SEE RESPIRATORY PROTECTION
Protective Gloves	IMPERMEABLE GLOVES (PREVENT SKIN IRRIT)
Eye Protection	SAFETY GLASSES, CHEM GOGGLES, FACE SHLDS
Other Protective Equipment	VARYING APPLICATION METHODS CAN DICTATE USE OF ADDITIONAL PROTECTIVE SFTY EQUIPMENT, SUCH AS IMPERMEABLE APRONS,

Work Hygenic Practices	ETC WASH HANDS THOROUGHLY AFTER USE
Supplemental Health/Safety Data	N/K

SECTION IX - Label Data

Protect Eye	NO
Protect Skin	NO
Protect Respiratory	NO
Chronic Indicator	UNKNOWN
Contact Code	UNKNOWN
Fire Code	UNKNOWN
Health Code	UNKNOWN
React Code	UNKNOWN
Specific Hazard and Precaution	SHORT TERM: INHAL: MAY CAUSE DIZZINESS, HEADACHE, NAUSEA & EYE WATERING. SEVERE OVEREXPOS MAY CAUSE DEPRESSION OF CENTRAL NERV SYS & UNCONSCIOUSNESS. INGESTION: HARMFUL/FATAL IF SWALLOWED. NAUSEA, DIARRHEA & GASTROINTEST IRRIT. EYE: IRRIT. LONG TERM: SKIN IRRIT. NEUROLOGICAL, PHYSIOLOGICAL DAMAGE. N/K

SECTION X - Transportation Data

Container Quantity	1
Unit of Measure	GL

SECTION XI - Site Specific/Reporting Information

Volatile Organic Compounds (P/G)	6.3836
Volatile Organic Compounds (G/L)	765

SECTION XII - Ingredients/Identity Information

Ingredient #	1
Ingredient Name	MINERAL SPIRITS (VAPOR PRESSURE 3 MM @ 20 C)
CAS Number	8052413
NIOSH Number	WJ8925000
Proprietary	NO
Percent	<100

OSHA PEL	500 PPM
ACGIH TLV	100 PPM; 9293
Recommended Limit	NONE SPECIFIED
