Material Safety Data Sheet

REGULAR DRY CHEMICAL (BC)
QUICK IDENTIFIER
Common Name: (used on label and list)

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910. 1200. Standard must be consulted for specific requirements.

SECTION 1 -

Manufacturer's Name: AMEREX CORPORATION

Address: P. O. Box 81

Emergency Telephone No.: 205/655-3271

City, State, and ZIP: TRUSSVILLE, AL 35173-0081

Other Information Calls: 205/655-3271

Signature of Person Responsible for Preparation (Optional): D. H. Ellison

Date Prepared: November 1985

SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO.
None reported to us by any suppliers of chemical ingredients included in this product.					

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: N.A.

Specific Gravity (H,O=1): 0.90

Vapor Pressure (mm Hg): N.A.

Vapor Density (Air = 1): N.A.

Solubility in Water: N.A.

Reactivity in Water: N.A.

Appearance and Odor: N.A.

Melting Point: N.A.

SECTION 4 – FIRE & EXPLOSION DATA

Flash Point: N.A. F. C.

Method Used: N.A.

Flammable Limits in Air % by Volume: LEL Lower N.A.

UEL Upper N.A.

Auto-Ignition Temperature: N.A.

Extinguisher Media: N.A.

Special Fire Fighting Procedures: N.A. This material is a fire fighting agent.

Unusual Fire and Explosion Hazards: N.A.

MATERIAL SAFETY DATA SHEET

Essentially Similar to Form OSHA 20

5/1/85

Section I

Manufacturer's Name	Emergency Telephone Number
INDUSTRIAL CHEMICAL LABORATORIES, INC.	(402) 342-4248
Address (Number, Street, City, State, ZIP Code) 1015 North 14 Street Omaha, NE 68102	Trade Name and Synonyms Remove!

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BUILDINGS & GROUNDS

Section II - Hazardous Ingredients

Hazardous Mixtures of Liquids, Solids or Gases	CAS Reg. No.	%	TLV Units
Light aromatic solvent naphtha (petroleum)	64742-95-6	>80	50 ppm (OEL) (Exxon Corp)
Butyl cellosolve	111-76-2	<10	25 ppm (skin)(TWA)
Nonylphenoxypolyethoxyethanol	26027-38-3	NA	Not est.

Section III - Physical Data

Boiling Point (°F)	340	Specific Gravity (H_2O=1)	0.875
Vapor Pressure (mm Hg)	NA	Percent Volatile by Volume (%)	95
Vapor Density (AIR=1)	NA	Evaporation Rate (Ether =1)	>1
Solubility in Water: Appreciable	Appearance and Odor: Water white free flowing liquid with mild aromatic hydrocarbon odor.		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	Lel	Uel
50°C (COC)	NA	0.9	6.0

Extinguishing Media

Carbon dioxide or dry chemical for small fires, alcohol type foam for larger fires.

Special Fire Fighting Procedures

Water may be ineffective.

Unusual Fire and Explosion Hazards

None

 (Continued on Reverse Side)

Copy - Cust - C.E.N.

Section V - Health Hazard Data

Threshold Limit Value
Not established

Effects of Overexposure
Irritation to mucous membranes, headache, nausea, dizziness and vomiting may result from breathing vapors, or from absorption through skin. Eyes are irritated by the liquid.

Emergency First Aid Procedures
For skin, wash with soap and water. For breathing, remove to fresh air. In case of contact with eyes, flush thoroughly with water for at least 15 minutes. Get medical attention.

Section VI - Reactivity Data

Stability			Conditions to Avoid
	Unstable		
	Stable	X	Heat, sparks, open flames

Incompatability (Materials to Avoid)
Avoid contamination with alkali

Hazardous Decomposition Products
None

Hazardous Polymerization			Conditions to Avoid
	May Occur		
	Will Not Occur	X	None

Section VII - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled
Eliminate all sources of ignition and flammables. Pick up liquid with wet vacuum or absorb with absorbent material.

Waste Disposal Method
Atomize into an incinerator, or landfill contaminated absorbent material in accordance with appropriate local, state and federal regulations.

RCRA: Ignitable

Section VIII - Special Protection Information

Respiratory Protection (Specify Type)
Normally not necessary

Ventilation		
	Local Exhaust Preferred	Special
	Mechanical (General) Adequate	Other

Protective Gloves	Eye Protection
Rubber or Neoprene	Face shield or splashproof chemical safety goggles

Other Protective Equipment
Eye bath and safety shower

Section IX - Special Precautions

Precautions to be Taken in Handling and Storing

Keep out of reach of children. Keep away from strong oxidizers, sources of heat and open flame. Avoid prolonged or repeated contact with skin. Avoid prolonged or repeated breathing of vapor.

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME: Jet-Lube, Inc.	EMERGENCY TELEPHONE NO.: (713) 674-7617
ADDRESS (Number, Street, City, State, and ZIP Code): 4849 Homestead Road, Houston, Texas 77028	
CHEMICAL NAME AND SYNONYMS: Primer/Cleaner	TRADE NAME AND SYNONYMS: ROUGHNECK Hi-Etch Primer/Cleaner
CHEMICAL FAMILY: Ketone	FORMULA: Proprietary

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	%	TLV (Units)	CAS NO.	%	TLV (Units)
Methy Ethyl Ketone	80	200 ppm in air	78-93-3		
Tetrahydrofuran	10	200 ppm in air	109-99-9		
Cyclohexanone	10	50 ppm in air	108-94-1		

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	151°F	SPECIFIC GRAVITY (H_2O=1)	0.8268
VAPOR PRESSURE (mm Hg.) 68°F	140	PERCENT, VOLATILE BY VOLUME (%)	100%
VAPOR DENSITY (AIR=1)	2.5	EVAPORATION RATE (ethyl ether =1)	8.5
SOLUBILITY IN WATER	30%		
APPEARANCE AND ODOR	Purple, ketone odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) 6°F Tag CC	FLAMMABLE LIMITS 2% - 11.8%	Lel	Uel
EXTINGUISHING MEDIA	H_2O, Foam, Dry chemical, CO_2		
SPECIAL FIRE FIGHTING PROCEDURES	wear self-contained breathing apparatus		
UNUSUAL FIRE AND EXPLOSION HAZARDS	See Flash Point above		

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CEP Elec Office
Mech Grounds

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 200 ppm

EFFECTS OF OVEREXPOSURE: May cause dizziness and/or sore throat

EMERGENCY AND FIRST AID PROCEDURES: Inhalation - remove to fresh air, administer oxygen if breathing is labored; ingestion - induce vomiting, call physician; skin contact - flush with water for 15 minutes; eye contact - flush with water for 15 minutes; call physician.

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	

INCOMPATABILITY *(Materials to avoid)*

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Recover free liquid, add absorbent to spill area. Avoid breathing vapors. Ventilate area.

WASTE DISPOSAL METHOD: Incinerate in an approved commercial disposal unit only.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*: Not required

VENTILATION			
	LOCAL EXHAUST	X	SPECIAL
	MECHANICAL *(General)*		OTHER

PROTECTIVE GLOVES: Wear non-permeable gloves

EYE PROTECTION: Recommended - not required

OTHER PROTECTIVE EQUIPMENT: None

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed when not in use. Keep away from sparks and open flames.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing.

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1367

List

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME: Jet-Lube, Inc.	EMERGENCY TELEPHONE NO.: (713) 674-7617
ADDRESS (Number, Street, City, State, and ZIP Code): 4849 Homestead Road, Houston, Texas 77028	
CHEMICAL NAME AND SYNONYMS: PVC Solvent Cement	TRADE NAME AND SYNONYMS: ROUGHNECK Regular PVC Solvent Cement
CHEMICAL FAMILY: Ketone	FORMULA: Proprietary

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	%	TLV (Units)	CAS NO.	%	TLV (Units)
Methyl Ethyl Ketone	35	200 ppm in air	78-93-3		
Tetrahydrofuran	33	200 ppm in air	109-99-9		
Cyclohexanone	17	50 ppm in air	108-94-1		

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	151°F	SPECIFIC GRAVITY (H_2O=1)	0.9346
VAPOR PRESSURE (mm Hg.) 68°F	140	PERCENT, VOLATILE BY VOLUME (%)	84%
VAPOR DENSITY (AIR=1)	2.5	EVAPORATION RATE (_____ =1)	6
SOLUBILITY IN WATER	37.6%		

APPEARANCE AND ODOR: Clear appearance; ketone odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): 6°F Tag CC	FLAMMABLE LIMITS: 2% - 11.8%	Lel	Uel
EXTINGUISHING MEDIA: Water, foam, dry chemicals, CO_2			
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-sustained breathing apparatus			
UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable - low flash point			

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CEP Const Guards
Mech Elec office ROUGHNECK Regular PVC Solvent Cement

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 200 ppm

EFFECTS OF OVEREXPOSURE May cause dizziness and/or sore throat

EMERGENCY AND FIRST AID PROCEDURES Inhalation - remove to fresh air, administer oxygen if breathing is labored. Ingestion - induce vomiting, call physician. Skin contact - flush with water for 15 min. Eye contact - flush with water for 15 min Call physician.

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	

INCOMPATABILITY *(Materials to avoid)*

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Recover free liquid, add absorbent to spill area. Avoid breathing vapors. Ventilate area.

WASTE DISPOSAL METHOD Incinerate in an approved commercial disposal unit only.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*

VENTILATION		
	LOCAL EXHAUST X	SPECIAL
	MECHANICAL *(General)*	OTHER

PROTECTIVE GLOVES Wear non-permeable gloves

EYE PROTECTION Recommended - not required

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Keep container closed when not in use. Keep away from sparks and open flames.

OTHER PRECAUTIONS Avoid prolonged or repeated contact with skin or clothing.

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