



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Power Additive
PRODUCT CODE: PA1

DATE: 03/08/99

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)

IMPORTANT: Read this MSDS before handling and disposing of this product.

Pass this information on to employees, customers, & users of this product.

SECTION 1. CHEMICAL PRODUCTS & COMPANY IDENTIFICATION / HAZARD RATINGS

PRODUCT IDENTITY: Blend #9920 PA1 Power Additive	HEALTH RATINGS:
COMPANY IDENTITY: Kline's Auto, Inc.	HEALTH (NFPA) = 1
COMPANY ADDRESS: 630 N. 13 th Street	HEALTH (HMIS) = 2
Allentown, PA 18102	FLAMMABILITY = 3
COMPANY PHONE: 1-610-434-7430	REACTIVITY = 0
FAX NUMBER: 1-610-433-5417	
CHEMTREC PHONE: 1-800-424-9300	

SECTION 2. INGREDIENT & REGULATORY INFORMATION

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS#	WT. %	(REG.SECTION)	RQ (LBS)
Acetone	67-64-1	Not Appl.	(311, 312)	5000
*Methanol	67-56-1	89	(311, 312, 313, RCRA)	5000

SARA SECTION 311/312 HAZARDS: Acute Health, Fire

MATERIAL	CAS#	TWA (OSHA)	TLV (ACGIH)	HAP
Acetone	67-64-1	1000 ppm	500 ppm	No
Methanol	67-56-1	200 ppm	200 ppm	Yes

Each component showing 'Yes' under "HAP" is an EPA Hazardous Air Pollutant.

MATERIAL	CAS#	CEILING	STEL (OSHA/ACGIH)
Acetone	67-64-1	None Known	750 ppm
Methanol	67-56-1	None Known	250 ppm

THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN CALIFORNIA AQMD RULE 443.1 & SIMILAR REGULATIONS

DOT SHIPPING NAME: Paint Related Material, 3, UN1263, PG II
DRUM LABEL: (FLAMMABLE LIQUID)



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SECTION 3. HAZARDS IDENTIFICATION

MATERIAL	CAS#	LOWEST KNOW LETHAL DOSE DATA LOWEST KNOWN LD50 (ORAL)
Methanol	67-56-1	1000.0 mg/kg (Man)
Acetone	67-64-1	21000 ppm (Cats)
Acetone	67-64-1	2000.0 mg/kg (Rabbits)

THRESHOLD LIMIT VALUE: 465 ppm (Evaporated Blend)

CONTAINS: ACETONE, METHANOL

WARNING!
EXTREMELY FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE
ACUTE HAZARDS

EYE & SKIN CONTACT:

- Primary irritation to skin, defatting, dermatitis.
- Primary irritation to eyes, redness, tearing, blurred vision.
- Liquid can cause eye irritation. Wash thoroughly after handling.

INHALATION:

- Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful.
- Breathing vapor can cause irritation.
- Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

SWALLOWING:

- Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

SUBCHRONIC HAZARDS / CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED

- Chronic overexposure can cause damage to kidneys, blood, nerves, liver, & lungs.
- Persons with severe skin, liver or kidney problems should avoid use.

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

- This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA, or ACGIH, as of this date, greater or equal to 0.1%.
- Absorption thru skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus.

SECTION 4. FIRST AID MEASURES PROCEDURES

EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing.

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Wash thoroughly with soap & water. Wash contaminated clothing before reuse. (Discard contaminated shoes)

INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration. **CALL A PHYSICIAN IMMEDIATELY!**

SWALLOWING:

If swallowed, **CALL A PHYSICIAN IMMEDIATELY!** Induce vomiting promptly using physician's instructions or by having patient stick finger down throat. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE: 422 C / 793 F (Lowest Component)

LOWER FLAMMABLE LIMIT IN AIR (% by vol): 2.7

FLASH POINT (TEST METHOD): -16 C / 2 F (TCC) (Lowest Component)

FLAMMABILITY CLASSIFICATION: Class I B

EXTINGUISHING MEDIA

NFPA Class B extinguishers (Carbon Dioxide or foam) for Class I B liquid fires.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire fighters & cool closed containers. Use fog nozzles if water is used.

Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots).

Use NIOSH approved positive-pressure self-contained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES

EXTREMELY FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE

Keep container tightly closed.

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

Closed containers may explode if exposed to extreme heat.

Applying to hot surfaces requires special precautions.

Empty container very hazardous! Continue all label precautions

SECTION 6. ACCIDENTAL RELEASE MEASURES**SPILL OR LEAK PROCEDURES**

Stop spill at source. Dike area & contain. Clean up remainder with absorbent materials. Mop up & dispose of. Persons without proper protection should be kept from area until cleaned up.

WASTE DISPOSAL METHOD

Recycle or dispose of observing local, state & Federal health, safety & pollution laws. If questions exist, contact the appropriate agencies.

OTHER PRECAUTIONS

Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone.

PRODUCT NAME: Power Additive**PRODUCT CODE: PA1****SECTION 7. HANDLING AND STORAGE****HANDLING**

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

Use only with adequate ventilation. Avoid breathing of vapor or spray mist.

Avoid contact with skin and eyes.

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.

Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, braze, or weld.

Empty container very hazardous! Continue all label precautions!

STORAGE

Vapors may ignite explosively & spread long distances. Prevent vapor buildup.

Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone.

Do not store above 49 C / 120 F. Store large amounts in structures made for OSHA Class I B liquids.

Keep container tightly closed & upright when not in use to prevent leakage.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE CONTROLS**

Ventilate to keep vapors of this material below 235 ppm. If over TLV, in accordance with 29 CFR 1910.134, use NIOSH approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion-proof equipment.

VENTILATION

LOCAL EXHAUST	= Necessary
MECHANICAL (GENERAL)	= Acceptable
SPECIAL	= None
OTHER	= None

PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.

Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

SECTION 9. PHYSICAL DATA

APPEARANCE:	Liquid, Water-White
ODOR:	Ketone
BOILING RANGE:	56 56 65 C / 133 134 149 F
GRAVITY @ 60 F:	
API:	47.2
SPECIFIC GRAVITY (Water = 1):	.792
POUNDS / GALLON:	6.597
VOC'S (>0.44 LBS / SQ IN):	100.1 Vol. % / 793.0 g/L / 6.605 Lbs/Gal
TOTAL VOC'S (TVOC):	100.0 Vol. % / 792.0 g/L / 6.597 Lbs/Gal
NONEXEMPT VOC'S (CVOC):	3.0 Vol. % / 23.8 g/L / .197 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS):	3.0 Wt. % / 23.8 g/L / .197 Lbs/Gal
VAPOR PRESSURE (mm of Hg) @ 20 C:	181.3



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NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C):	5.1
VAPOR DENSITY (air = 1):	2.0
WATER ABSORPTION:	Complete
SOLVENCY PARAMETERS:	
HKB (Hydrogen Bonding):	33.1
PKB (Polarity):	41.5
DKB (Dispersion):	25.4
REFRACTIVE INDEX:	1.357

SECTION 10. REACTIVITY DATA

STABILITY

Stable

CONDITIONS TO AVOID

Isolate from oxidizers, heat, sparks, electric equipment, & open flame.

MATERIALS TO AVOID

Isolate from strong oxidizers such as permanganates, chromates, & peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION

Will not occur.

NOTICE

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