



MS5

MATERIAL SAFETY DATA SHEET

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Date Prepared; 10/07/04  
Date Printed: 4/2/2006  
MSDS No: 999.0197908-006008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTITY: MS5 / Mineral Spirits 66  
COMPANY IDENTITY: KLINE'S AUTO, INC.  
COMPANY ADDRESS: 630 N. 13<sup>th</sup> STREET  
COMPANY CITY: ALLENTOWN, PA 18102  
COMPANY PHONE: 1-610- 434-7470  
CHEMTREC PHONE: 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by volume)
ALIPHATIC HYDROCARBONS (STODDARD TYPE)	8052-41-3	100.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, and diarrhea) irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects.

Target Organ Effects

No data

Developmental Information

No data

Cancer Information

Based on the available information, this material cannot be classified with regard to carcinogenicity. This material is not listed as a carcinogen by the International

Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Other Health Effects  
No data

Primary Route(s) of Entry  
Inhalation, Skin contact, Eye contact.

#### 4. FIRST AID MEASURES

##### Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

##### Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

##### Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

##### Inhalation

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

##### Note to Physicians

This material is an aspiration hazard Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 - Swallowing) when deciding whether to induce vomiting. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions).

#### 5. FIRE FIGHTING MEASURES

Flash Point 105.0 F (40.5 C) TCC

Explosive Limit  
No data

Autoignition Temperature  
No data

Hazardous Products of Combustion  
May form, carbon dioxide and carbon monoxide, various hydrocarbons.

##### Fire and Explosion Hazards

If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release. Never use welding or cutting torch on or near drum (even empty)



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because product (even just residue) can ignite explosively.

Extinguishing Media

regular foam (such as AFFF ) carbon dioxide, dry chemical.

Fire Fighting Instructions

Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCDA).

NFPA Rating

Health - 0, Flammability - 2. Reactivity - 0 -

6. ACCIDENTAL RELEASE MEASURES

Small Spill

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

Large Spill

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids. Warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

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**Skin Protection**

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**Respiratory Protections**

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

**Engineering Controls**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

**Exposure Guidelines**

**Component**

ALIPHATIC HYDROCARBONS (STODDARD TYPE) (8052-41-3)

OSRA PEL 500.000 ppm - TWA  
OSHA VPEL 100.000 ppm - TWA  
ACGIR TLV 100.000 ppm - TWA

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling Point**

(for product) 300.0 - 400.0 F (148.8 - 204.4 C) 760 mmHg

**Vapor Pressure**

(for product) .540 mmHg @ 68.00 F

**Specific Vapor Density**

4.900 AIR=1

**Specific Gravity**

.772 @ 60.00 F

**Liquid Density**

6.440 Lbs/gal @ 60.00 F  
.772kg/l @ 16.00 C

**Percent Volatiles**

100.0

**Volatile Organic Compounds (VOC)**

772.00 g/l  
6.440 lbs/gal

**Evaporation Rate**

.15 (n-BuAcet=1)

**Appearance**

No data

**State**

LIQUID



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Physical Form  
HOMOGENEOUS SOLUTION

Color  
CLEAR, SAYBOLT COLOR 30 MIN

Odor  
No data

pH  
Not applicable

10. STABILITY AND REACTIVITY

Hazardous Polymerization  
Product will not undergo hazardous polymerization.

Hazardous Decomposition  
May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Chemical Stability  
Stable.

Incompatibility  
Avoid contact with: strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

13 DISPOSAL CONSIDERATION

Waste Management Information  
Dispose of in accordance with all applicable local, state and federal regulations.

14, TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101  
DOT Description:  
NON-REGULATED BY D.O.T.

Container/Node:  
55 GAL DRUM/TRUCK PACKAGE

NOS Component:  
NAPHTHA

RQ (Reportable Quantity) - 49 CFR 172.101  
Not applicable

Other Transportation Information  
The Transport Information may vary with the container and mode of shipment.

15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

None listed

SARA 302 Components - 40 CFR 355 Appendix A

None

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate(X) Delayed( ) Fire(X) Reactive( ) Sudden Release of Pressure( )

SARA 313 Components - 40 CFR 372.65

None

OSHA Process Safety Management - 29 CFR 1910

None listed

EPA Accidental Release Prevention - 40 CFR 68

None listed

International Regulations

Inventory Status

AICS (AUSTRALIA) The intentional ingredients of this product are listed.

DSL (CANADA) The intentional ingredients of this product are listed.

ECL (SOUTH KOREA) The intentional ingredients of this product are listed.

EINECS (EUROPE) The intentional ingredients of this product are listed.

ENCS (JAPAN) The intentional ingredients of this product are listed.

PICCS (PHILIPPINES) The intentional ingredients of this product are listed.

State and Local Regulations

California Proposition 65

None

New Jersey RTK Label Information

STODDARD SOLVENT 8052-41-3

Pennsylvania RTIC Label Information

STODDARD SOLVENT 8052-41-3

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances



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