

MATERIAL SAFETY DATA SHEET
DATE PREPARED -SEPTEMBER 1997

NFPA RATING
Health: 1
FLAMMABILITY: 3
Reactivity: 0
Personal
Protection: A

IDENTITY: PART# 5009
: THUNDERBOLT
: PENETRATING OIL

Section I

Manufacturers Name -WELLWORTH

Address 235 Surrey Run
Williamsville, NY 14221
Emergency Telephone Number
800-424-9300
Telephone no. for information
716-631-5216

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s)	CAS #	OSHA PEL	ACGIH TLV	STEL	%
: KEROSENE	: 8008-20-6	: 400 PPM	: 400 PPM	:	: 10-30
: *ETHYL ACETATE	: 141-78-6	: 400 PPM	: 400 PPM	:	: 7-13
: PROPANE/ISOBUTANE	: 68476-86-8	: 800 PPM	: 800 PPM	:	: 10-30
: Hydro treated heavy	:	:	:	:	:
: naphthenic distillate	: 64742-52-5	: 5mg/m3	: 5mg/m3	:	: 30-40%
:	:	:	:	:	:
:	:	:	:	:	:
:	:	:	:	:	:
:	:	:	:	:	:
:	:	:	:	:	:
:	:	:	:	:	:

* SEE ATTACHMENT SHEET PAGE 3.
DOT SHIPPING-CONSUMER COMMODITY ORM-D

Section III-Physical/Chemical Characteristics

Boiling Point-Range: -40 TO 350 F
Specific Gravity : 0.8
H2O=1 at STP
Vapor Pressure PSIG @ 70F: 45-55
Melting Point-Liquid: NA
Vapor Density(Air=1)
Heavier than Air: YES
Evaporation Rate: SLOWER
(Water=1)
Solubility in Water: NONE
Appearance and Odor: GREENISH GRAY --SOLVENT ODOF

Section IV-Fire and Explosion Hazard Data

Flash Point (Method Used): -40 F PROPELLANT Flammable Limits LEL CEL
: PRODUCT FLASH POINT IS 50 F : NA : NA
Extinguishing Media
Use water fog, dry chemical or carbon dioxide

Special Fire Fighting Procedures
Fire fighters should wear NIOSH approved positive pressure self-
contained breathing apparatus. Aerosol cans may rupture when heated.
Unusual Fire and Explosion Hazards
Heated cans may burst.

Protective Gloves -
None required if spraying.

Eye Protection -
Safety glasses or goggles

Other Protective Clothing or Equipment -
Long sleeves and long pants or coveralls.

Work/Hygienic Practices - Do not smoke while using. Wash hands after use.
- Concentrated vapors of this product are heavier than air and will collect in low areas, pits, storage tanks and other confined spaces. Do not enter these areas.

- Avoid breathing of vapors.
- Keep out of reach of children.
- Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain damage and nervous system damage. Intentional misuse by concentrating and inhaling this product may be harmful or fatal.
- If you have a medical condition consult with a physician prior to using this product.

ATTACHMENT SHEET :

* Starred items are subject to the reporting requirements of Sara 311 and 40 CFR 372. If any of the components in Section II are preceded by a star (*) you must notify each person to whom this product is sold.

State Of California Proposition 65. The following listed chemicals are known to the State of California to cause Cancer and/or Reproductive Toxicity:

New Jersey Right to Know:

SEE SECTION 11

ADDITIONAL INFORMATION:

%VOC: 0
#/GAL VOC:

: A

HMS RATING:
HEALTH : 1
FLAMMABILITY: 2
REACTIVITY: 0
PERSONAL
PROTECTION : A

The information contained in this document is believed to be accurate and offered in good faith as typical values, but is not warranted as such. Each user should confirm prior to use, the accuracy and suitability of this information and determine whether it is appropriate for the intended use.

Section V - Reactivity Data

Stability -- Unstable: Conditions to Avoid: NONE
Stable: YES

Incompatibility (Materials to Avoid): STRONG ACIDS AND ALKALIS
OXIDIZERS

Hazardous Decomposition or Byproducts: CARBON DIOXIDE AND CARBON MONO-OXIDE
OTHER NOXIOUS GASES FROM BURNING HYDROCARBONS

Hazardous May Occur: Conditions to Avoid: NONE
Polymerization Will Not Occur: XX

Section VI - Health Hazard Data

Routes of Entry -- Inhalation? yes Skin? yes Ingestion? yes

Health Hazards (Acute and Chronic)--
May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long term exposure (years) to vapor may cause lung, liver, or kidney damage. The solvents listed have been reported to affect the central nervous system.
KEROSENE

Carcinogenicity NTP? IARC Monographs? OSHA Reg.?
NOT ON ANY LIST

Signs and Symptoms of Exposure- Inhalation - Difficulty in breathing.
Skin -Redness Ingestion- vomiting
- Alcohol consumed before or after exposure may increase adverse effects.
- Over exposure may cause dizziness and loss of concentration.

Medical Conditions

Generally aggravated by Overexposure-
- See attachment page 3.

Emergency and First Aid Procedures

Give oxygen-do not induce vomiting-gastric lavage-wash eyes and skin with water.
Remove to fresh air, contact physician immediately.

Section VII - Precautions for Safe handling and Use

Steps to be Taken in Case Material is Released or Spilled--
Use absorbent sweeping compound to soak up material. Pour into container. Dispose as hazardous waste.

Waste Disposal Method--

Dispose of waste in accordance with applicable Federal, State, and local requirements.
Precautions to be Taken in Handling and Storing-keep away from heat, sparks or open flame. Store at temperatures below 120F.

Other Precautions --

- Avoid prolonged breathing of vapors. Always use with adequate ventilation.

Section VIII - Control Measures

Respiratory Protection (Specify Type)--

Self contained breathing apparatus if above TLV limits are exceeded.

Ventilation Local Exhaust Yes Special none
Mechanical (General) none Other none