

AMERICAN REFINING GROUP INC.
MATERIAL SAFETY DATA SHEET

BRAD PENN® PENN-GRADE RP 150
RUSTPROOFING OIL

PRODUCT CODE: BP-9001

NFPA HAZARD RATING

4 – Extreme
3 – High
2 – Moderate
1 – Insignificant

PRODUCT NFPA HAZARD RATING

Health – 1
Fire – 2
Reactivity - 0

PAGE 1

DIVISION AND LOCATION---SECTION I

Division: LUBRICANTS AND SPECIALTY PRODUCTS DIVISION

Location: BRADFORD, PENNSYLVANIA

77 N. KENDALL AVE, BRADFORD, PA, 16701

Emergency Telephone Number: (814) 368-1297

Transportation Emergency: CHEMTREC 1-(800) 424-9300 (U.S. and Canada)

CHEMICAL AND PHYSICAL PROPERTIES---SECTION II

Chemical Name: petroleum hydrocarbon plus additives

Formula : not applicable

Hazardous Decomposition Products:

carbon monoxide and carbon dioxide from burning. oxides
of phosphorous from burning oxides of sulfur

Incompatibility (Keep away from):

strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

<u>Product Components</u>	<u>CAS No.</u>	<u>% (Volume)</u>
Stoddard Solvent	8052-41-3	60 - 70
Hydrotreated Middle Distillate	64742-47-8	15 - 25
Hydrotreated Heavy Paraffinic Distillate	64742-54-7	5 - 10
Additives	Mixture	5 - 10

Form: liquid

Odor: bland

Appearance: liquid

Color: amber

Specific Gravity (water=1) : .79 to .80

Boiling Point: greater than 163 C (325 F)

Melting Point: less than -48°C (-55°F)

Solubility in Water (by weight %) : 0 at 20°C

Volatile (by weight %) : 86.6

Evaporation Rate (n butyl acetate = 1): .27

Vapor Pressure (mm Hg at 20°C): not available

Vapor Density (air=1) : not available

pH (as is) : not applicable

Stability: Product is stable under normal conditions

Viscosity SUS at 100°F: less than or = to 100

(Continued on next page)

A M E R I C A N R E F I N I N G G R O U P I N C .
M A T E R I A L S A F E T Y D A T A S H E E T

BRAD PENN® PENN-GRADE RP 150
RUSTPROOFING OIL

PRODUCT CODE: BP-9001
PAGE 2

FIRE AND EXPLOSION DATA---SECTION III

Special Fire Fighting Procedures:

Do not use water except as fog.

Unusual Fire and Explosion Hazards:

Do not cut, weld, braze, solder, drill, grind or expose containers, drums, tanks, etc. of product to heat, flame, sparks, static electricity or other sources of ignition; they may ignite explosively.

Flashpoint: (Method Used) Tag closed-cup, greater than 46°C (115°F)

Flammable limits % : not applicable

Extinguishing agents:

Dry chemical or Waterfog or CO₂ or Foam

Closed containers exposed to fire may be cooled with water.

STATIC ACCUMULATING LOW CONDUCTIVITY SOLVENT (<10pS/m)

This liquid may form an ignitable vapor-air mixture in closed tanks or containers.

Bonding and grounding may be insufficient to remove static electricity.

Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants.

Restrict flow velocity to avoid build-up of static charge.

Refer to NFPA 77, API 2003, and CENELEC CLC/TR 50404 for further guidance.

HEALTH HAZARD DATA---SECTION IV

Permissible concentrations (air): stoddard solvent (CAS# 8052-41-3): 100 ppm, 525 mg/m³ (OSHA/ACGIH)
1,2,4 trimethylbenzene: (CAS# 95-63-6): 25 ppm, 125 mg/m³ (OSHA/ACGIH)

see COMMENTS section

Chronic effects of overexposure:

no data available

Acute toxicological properties:

for Stoddard solvent: inhalation-irritation of eyes, nose and throat, dizziness; skin contact- dermatitis; eyes-irritation; ingestion-nausea, vomiting. Large amounts, if retained, lead to symptoms of central nervous system depression.

Emergency First Aid Procedures:

Eyes: Immediately flush with large quantities of water for at least 15 minutes and call a physician.

Skin Contact: Remove excess with cloth or paper. Wash thoroughly with soap and water.

Inhalation: Remove victim to fresh air. Call a physician.

If Swallowed: Contact a physician immediately. DOT NOT induce vomiting, (Vomiting may cause aspiration into lungs resulting in chemical pneumonia).

ROUTES OF ENTRY: inhalation, skin/eye contact, ingestion.

TARGET ORGAN(S): respiratory system, central nervous system, skin and eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: preexisting eye, skin and respiratory disorders.

(Continued on next page)

A M E R I C A N R E F I N I N G G R O U P I N C .
M A T E R I A L S A F E T Y D A T A S H E E T

**BRAD PENN® PENN-GRADE RP 150
RUSTPROOFING OIL**

**PRODUCT CODE: BP-9001
PAGE 3**

SPECIAL PROTECTION INFORMATION---SECTION V

Ventilation Type Required (Local,mechanical,special): see Comments section

Respiratory Protection (Specify type):

Use NIOSH/MSHA certified respirator with dual organic vapor/mist and particulates cartridge if vapor concentration exceeds permissible exposure limit.

Protective Gloves: neoprene type

Eye Protection: chemical safety goggles

Other Protective Equipment: none

HANDLING OF SPILLS OR LEAKS---SECTION VI

Procedures for Clean-Up:

Transfer bulk of mixture into another container. Absorb residue with an inert material such as earth, sand, or vermiculite. Sweep up and dispose as solid waste in accordance with local, state, and federal regulations.

Waste Disposal: Dispose of in accordance with all applicable federal, state and local regulations.

SPECIAL PRECAUTIONS---SECTION VII

Precautions to be taken in handling and storage:

Do not handle or store at temperatures over

Maximum Storage Temperature: 38 ° C (100°F)

TRANSPORTATION DATA---SECTION VIII

D.O.T: Regulated

U.S. D.O.T. Proper Shipping Name: Petroleum Distillates, N.O.S.

U. S. D.O.T. Hazard Class: Combustible Liquid

I.D. Number: UN 1268, PG III, ERG 128

Label(s) Required: none

Reportable Quantity: none

Freight Classification: Petroleum Distillates – Combustible Liquid

Special Transportation Notes: Unregulated by DOT when shipped in containers of less than 118.9 gallons.

ENVIRONMENTAL/SAFETY REGULATIONS---SECTION IX

Section 313 (Title III Superfund Amendment and Reauthorization Act):

This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (the corresponding CAS number and percent by weight are provided):

1, 2, 4 trimethylbenzene, CAS# 95-63-6 @ 1.73%

(Continued on next page)

A M E R I C A N R E F I N I N G G R O U P I N C .
M A T E R I A L S A F E T Y D A T A S H E E T

BRAD PENN® PENN-GRADE RP 150
RUSTPROOFING OIL

PRODUCT CODE: BP-9001
PAGE 4

C O M M E N T S

If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m3 for mineral oil mist (OSHA and ACGIH).

All components of this product are on the US TSCA Inventory.

The additive mixtures in this product have been declared a trade secret by the additive manufacturers.

S T A T E R E G U L A T O R Y I N F O R M A T I O N :

PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW ACT: This product contains the following ingredient(s) listed in Appendix A Hazardous Substance List:

<u>Component</u>	<u>CAS No.</u>
Stoddard Solvent	8052-41-3

STATE OF CALIFORNIA PROPOSITION 65: This product contains a chemical (or chemicals) known to the State of California to cause cancer, birth defects and/or other reproductive harm;

Naphthalene, CAS# 91203, at 0.28%(Volume)

Prepared by: Monica C Mathers
Title: Product Compliance Coordinator
Original Date: 12/17/01
Revision Date: 09/02/09
Supersedes : 09/09/04

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.