

SAFETY DATA SHEET



Trade Name: SOLGAD 200

Page 1 of 6

1: Identification

Commercial Product Name: SOLGAD 200

Proper Shipping Name: Methyl Naphthalene (Molten)

Manufacturer: Gadiv Petrochemical Industries Ltd.

P.O.B 32 Haifa

Israel 31000

Management

Tel: +972-4-8788020

Fax: +972-4-8788018

Marketing

Tel: +972-4-8788955

Fax: +972-4-8788034

2: Composition/Information on Ingredients

Chemical characterization: A Clear colorless liquid with aromatic hydrocarbon odor insoluble in water.

Hazardous ingredients:

Chemical name	CAS-No	EINECS-No	Concentration %	Classification
Naphthalene	000091-20-3	202-049-5	6-12	R22, R40, R50/53 Xn, N
Pentamethylbenzene	000700-12-9	202-078-3	8-10	R11, R36/37/38 Xi
2-Methylnaphthalene	000091-57-6	202-078-3	25-35	R22, R36/37/38, R51/53 Xn, N
1-Methylnaphthlene	000090-12-0	201-966-8	15-25	R22, R36/37/38, R42/42, R51/53 Xn, N

(See full text of R-phrases in chapter 16.)

3: Hazards Identification

Human health hazard:

R40: Limited evidence of a carcinogenic effect.

R22: Harmful if swallowed.

R36/37/38: Irritating to eyes, respiratory system and skin.

R42/43: May cause sensitization by inhalation and skin contact.

R51/53: Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

4: First Aid Measures

Symptoms: Harmful if swallowed. Irritating to the eyes, respiratory system and skin. Vapor in high concentration may cause headaches, dizziness, breathing difficulties, drowsiness and loss of consciousness.

Skin contact: Immediately remove contaminated clothing and shoes. Rinse with large amounts of water and soap for at least 10 minutes. Get medical attention if irritation develops.

SAFETY DATA SHEET



Trade Name: SOLGAD 200

Page 3 of 6

8: Exposure Control and Personal Protection

Threshold values:

Naphthalene

ACGIH-TLV 10 ppm (TWA), 15 ppm (STEL)

OSHA-PEL 10 ppm (TWA)

NIOSH-REL 10 ppm (TWA), 15 ppm (STEL)

Personal Protective equipment: Generally, personal protection is a function of exposure. It is recommended to use working shoes, working clothes or lab coat. Working should be done in a well-ventilated area. In addition: mask and filter for organic compounds type A, gloves, safety goggles.

Respiratory protection: Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

In case of an emergency: Full protective gear and a self-contained breathing apparatus should be used, according to the severity.

9: Physical and Chemical Properties:

General information:

Form: liquid

Color: colorless

Odor: aromatic

Important health, safety and environmental information:

Boiling point °C: 220-300

Freezing point °C: <-18

Molecular weight: 127

Density g/cm³ (15°C): 0.971

Vapor density (air=1): >1

Vapor pressure (mm Hg)(20°C): 0.105

Solubility (in water): Insoluble

pH: Not applicable

Flash point °C: >95

Auto-ignition temperature °C: >420

LEL: 1.8% UEL: 11.8%

Viscosity (25°C): 0.92 cSt

10: Stability and Reactivity

Hazardous polymerization: Will not occur.

Chemical reactivity: Stable under ordinary use. Keep away from strong oxidizing agents.

Hazardous decomposition products: On fire emits toxic and irritating fumes.

SAFETY DATA SHEET



Trade Name: SOLGAD 200

Page 4 of 6

11: Toxicological Information

Naphthalene:

LD₅₀ (oral rat) 490 mg/kg

LD₅₀ (oral mouse) 316 mg/kg

LC₅₀ (inhalation rat) >340 mg/m³ (60 min)

2-Methylnaphthalene

LD₅₀ (oral rat) 1630 mg/kg

1-Methyl naphthalene

LD₅₀ (oral rat) 1840 mg/kg

Carcinogenicity:

Naphthalene:

ACGIH A4: Not classifiable as a human carcinogen.

IARC- GROUP 2B: Possibly carcinogenic to human.

NTP2 - Reasonably anticipated to be a human carcinogen.

12: Ecological Information

Environmental hazards: Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Biodegradability: No data available.

13: Disposal Considerations

According to the Israeli regulations, a holder of this waste must evacuate it as soon as possible and not later than 6 months after the production of the waste, to the Ramat-Hovav waste site. The waste should be packed and transported according to the regulations. For packing group and transport classification of the waste refer to section 14.

14: Transport Information

UN recommendations: UN 3082

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.

Class 9

Packing group: III

LABEL: "MISCELLANEOUS DANGEROUS SUBSTANCES&ARTICLES", HAZCHEM: 3Z

SAFETY DATA SHEET



Trade Name: SOLGAD 200

Page 5 of 6

Sea transport:

IMDG: UN 3082

Class: 9

Proper technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.

Packing group: III

Air transport:

ICAO/IATA: UN 3082

Class: 9

Proper technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.

Packing group: III

Estimated NFPA: H: 2 F: 1 R: 0

15: Regulatory Information

Labeling in accordance with EC directives

Symbol and indicating of hazard:



N - Dangerous for the environment.

Xn - Harmful

R-phrases:

R40: Limited evidence of a carcinogenic effect.

R22: Harmful if swallowed.

R36/37/38: Irritating to eyes, respiratory system and skin.

R42/43: May cause sensitization by inhalation and skin contact.

R51/53: Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

S-phrases:

S23: Do not breathe gas or fumes or spray.

S24/25: Avoid contact with skin and eyes.

S36/37: Wear suitable protective clothing and gloves.

S61: Avoid release to the environment. Refer to special instructions.

S57: Use appropriate container to avoid environmental contamination.

According to local regulations.

16: Other Information

Full text of R-phrases with No. appearing in section 2:


R40: Limited evidence of carcinogenic effect.

R22: Harmful if swallowed.

R36/37/38: Irritating to eyes, respiratory system and skin.

R42/43: May cause sensitization by inhalation and skin contact.

R50/53: Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic

SAFETY DATA SHEET	 GADIV Petrochemical Industries Ltd.
Trade Name: SOLGAD 200	Page 6 of 6

environment.

R51/53: Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Date of issue: 04TH July 2006

Date of update: August 15th, 2007

The information herein is based on the present state of our knowledge. It is believed to be correct but is not necessarily all inclusive and shall be used only as a guide. BAZAN Ltd, and Haz-Mat Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product. For further information, contact BAZAN Ltd or contact Haz-Mat at hazmat@hazmat.co.il.