



SAFETY DATA SHEET

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Revised edition no : 8

Date : 23 / 9 / 2009

Supersedes : 9 / 3 / 2009

Bel-Ray 6 in 1

103270200

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Trade name : Bel-Ray 6 in 1.
Identification of the product : Lubricant oil.
Use : See product data sheet for detailed application.
Company identification : Bel-Ray Europe S.A.
Avenue Louise, 304
Bruxelles-Brussel B-1050 BELGIUM
Telephone: +32 (0)2 540 84 52

Bel-Ray Company, Inc.
P.O. Box 526
Farmingdale NJ 07727 United States of America
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2 HAZARDS IDENTIFICATION

Primary route of exposure : Inhalation. Ingestion.
Symptoms relating to use : Symptoms may include dizziness, headache, nausea and loss of co-ordination.
• Inhalation : Danger of serious damage to health by prolonged exposure through inhalation.
Vapours may cause drowsiness and dizziness.
• Skin contact : May produce skin irritation.
• Eye contact : May cause eye irritation.
• Ingestion : Harmful: may cause lung damage if swallowed. May cause irritation.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Components / Impurities : Bel-Ray 6 in 1: Dangerous product.
Mixture : Mineral oil <3% DMSO Extractables, Additives.

Substance name	Content	CAS No	EC No	Index No	Classification ***
Ethylbenzene	0.1 to 1 %	100-41-4	202-849-4	601-023-00-4	F; R11 Xn; R20 Xi; R36/38
2-butoxyethanol	1 to 5 %	111-76-2	203-905-0	603-014-00-0	Xn; R20/21/22 Xi; R36
Distillates, hydrotreated light	10 to 25 %	64742-47-8	265-149-8	649-422-00-2	Xn; R65 R66
1,2,4-trimethylbenzene	1 to 5 %	95-63-6	202-436-9	601-043-00-3	R10 Xn; R20 Xi; R36/37/38 N; R51-53
Stoddard solvent	25 to 50 %	8052-41-3	232-489-3	649-345-00-4	R10 Xn; R65 R67 N; R51-53
Interchangeable base oils, one or more: 64742-54-7, 64742-65-0, 64741-88-4, 8042-47-5	25 to 50 %	-----	-----	-----	

*** List of relevant R phrases. See Heading 16 : OTHER INFORMATION

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4 FIRST AID MEASURES

- First aid measures** : If overcome by exposure, remove victim to fresh air immediately. Seek medical advice (show the label where possible).
- **Inhalation** : Remove casualty to fresh air and keep at rest. Call a physician.
 - **Skin contact** : Wash skin thoroughly with mild soap and water. Seek medical attention if ill effect or irritation develops.
 - **Eye contact** : Immediately flush eyes thoroughly with water for at least 15 minutes. Ensure adequate flushing of eyes by separating eyelids with the fingers. Obtain emergency medical attention if pain, blinking, tears or redness persist.
 - **Ingestion** : Never give anything by mouth to an unconscious person. Rinse mouth with water, do not induce vomiting, call a doctor.
- Note to physician** : Treat symptomatically.

5 FIRE-FIGHTING MEASURES

- Flammable class** : Flammable.
- Hazardous combustion products** : Incomplete combustion may form carbon monoxide, carbon dioxide, gas.
- **Suitable extinguishing media** : Carbon dioxide. Dry powder. Foam.
 - **Unsuitable extinguishing media** : Use of heavy stream of water may spread fire.
- Protection against fire** : Use self-contained breathing apparatus when in close proximity to fire.
- Special procedures** : Fight fire from safe distance and protected location.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Eliminate every possible source of ignition. Ensure adequate ventilation. Ventilate confined spaces before entering. Equip cleanup crew with proper protection.
- Environmental precautions** : Prevent entry to sewers and public waters.
- Clean up methods** : Clean up any spills as soon as possible, using an absorbent material to collect it. Take up small spills with dry chemical absorbent. Take up large spills with pump or vacuum and finish with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Dispose in a safe manner in accordance with local/national regulations.

7 HANDLING AND STORAGE

- Precautions in handling and storage** : When using, do not eat, drink, or smoke.
- Storage** : Store in dry, cool, well-ventilated area. Provide adequate ventilation to minimize dust and/or vapour concentrations. Keep only in the original container.
- Storage - away from** : Strong oxidizers. Open flame. Sparks. Heat sources. Prolonged exposure to sunlight. Combustible material. Keep away from ignition sources (including static discharges).
- Handling** : Handle in accordance with good industrial hygiene and safety procedures.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protection** : Ensure adequate ventilation.
- **Respiratory protection** : Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
 - **Hand protection** : Wear suitable gloves resistant to chemical penetration.

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8 EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)

- **Skin protection** : If skin contact or contamination of clothing is likely, protective clothing should be worn.
- **Eye protection** : Chemical goggles or safety glasses.
- **Ingestion** : When using, do not eat, drink, or smoke.
- Industrial hygiene** : Handle in accordance with good industrial hygiene and safety procedures.
- Occupational Exposure Limits** :
 - Stoddard solvent : TLV[®] -TWA [ppm] : 100
 - Interchangeable base oils, one or more: 64742-54-7, 64742-65-0, 64741-88-4, 8042-47-5 : TLV[®] -TWA [mg/m³] : 5
 - Distillates, hydrotreated light : TLV[®] -TWA [mg/m³] : 5
 - 2-butoxyethanol : TLV[®] -TWA [ppm] : 20
 - 2-butoxyethanol : OEL (UK)-LTEL [ppm] : 25
 - 2-butoxyethanol : OEL (UK)-STEL [ppm] : 50
 - 2-butoxyethanol : OSHA PEL [ppm] : 50
 - 1,2,4-trimethylbenzene : TLV[®] -TWA [ppm] : 25
 - Ethylbenzene : TLV[®] -TWA [ppm] : 100 OSHA PEL: 100
 - Ethylbenzene : TLV[®] -STEL [ppm] : 125
 - Ethylbenzene : OEL (UK)-LTEL [ppm] : 100
 - Ethylbenzene : OEL (UK)-STEL [ppm] : 125
 - When mists can occur, the following are recommended:
 - Oil Mist, mineral: TLV[®]-TWA [mg/m³]: 5
 - STEL: 10

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20 °C** : Liquid.
- Colour** : Blue-green.
- Odo(u)r** : Hydrocarbon.
- Density [kg/m³]** : 834
- Viscosity** : 3 cSt @40°C
- Solubility in water** : Negligible.
- Solubility in:** : Oil.
- Flash point [°C] (ASTM D 93)** : 43 (109°F) PMCC
- Explosion limits** : No reliable data available.
- Evaporation rate** : No reliable data available.

10 STABILITY AND REACTIVITY

- Stability and reactivity** : Stable under normal conditions.
- Hazardous decomposition products** : Carbon dioxide, carbon monoxide, others.
- Materials to avoid** : Strong oxidizers.
- Conditions to avoid** : Heat. Prolonged exposure to sunlight. Open flame. Combustible material. Sparks. Keep away from ignition sources (including static discharges).

11 TOXICOLOGICAL INFORMATION

- Toxicity information** : Product not tested. No reliable data available.
- **Inhalation** : Symptoms of overexposure to vapours include drowsiness, weakness, headache, dizziness, nausea, vomiting, dimming of vision and, in extreme cases, death.
- **Dermal** : May produce skin irritation.

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11 TOXICOLOGICAL INFORMATION (continued)

- Ocular : May cause eye irritation.
- Ingestion : Harmful: may cause lung damage if swallowed. May cause irritation.
- Rat oral LD50 [mg/kg] : Product not tested. No reliable data available.
- Rabbit dermal LD50 [mg/kg] : Product not tested. No reliable data available.

12 ECOLOGICAL INFORMATION

- Ecological effects information : This product has not been tested for environmental effects. Low mobility (soil). Material insoluble in water.
- Bioaccumulative potential : Product not tested. No reliable data available.
- Persistence - degradability : Product not tested. No reliable data available.

13 DISPOSAL CONSIDERATIONS

- General : Dispose in a safe manner in accordance with local/national regulations.

14 TRANSPORT INFORMATION

- UN No. : 1993
- Proper shipping name : UN1993 FLAMMABLE LIQUID, N.O.S., (contains Stoddard Solvent)
- ADR/RID : 3
- ADR Class : 3
- ADR Packing group : III
- IMO-IMDG code : 3
- ICAO/IATA
- IATA - Class or division : 3
- IATA Packing group : III

15 REGULATORY INFORMATION

- EC Classification : R10
Xn; R65
R67
N; R51-53
- EC Labelling
- Symbol(s) : Xn : Harmful
N : Dangerous for the environment.
- R Phrase(s) : R10 - Flammable.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 - Harmful: may cause lung damage if swallowed.
R67 - Vapours may cause drowsiness and dizziness.
- S Phrase(s) : None.

16 OTHER INFORMATION

- Recommended uses and restrictions : Contact the producer or distributor. See product data sheet for detailed application.

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16 OTHER INFORMATION (continued)

List of relevant R phrases (heading 3) : R10 - Flammable.
R11 - Highly flammable.
R20 - Harmful by inhalation.
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.
R36 - Irritating to eyes.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R36/38 - Irritating to eyes and skin.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 - Harmful: may cause lung damage if swallowed.
R66 - Repeated exposure may cause skin dryness or cracking.
R67 - Vapours may cause drowsiness and dizziness.

NOTE : March 9, 2009: Revised
September 23, 2009: Revised

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Prepared by : Regulatory Department
Bel-Ray Company, Inc.

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