

PRODUCT NAME: Bel-Ray JS2 Watersports 2-Stroke Oil
PRODUCT CODE: 9604
HAZARD LABELING: FOR USE OR EEC: SEE SECTION 15
R-PHRASES: R22, R65
S-PHRASES: S2-23-24-62
SYMBOLS: Xn
LABELING FOR TRANSPORT: Not classified

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

-PRODUCT NAME: Bel-Ray JS2 Watersports 2-Stroke Oil
-PRODUCT CODE: 9604
-COMMERCIAL USE: 2-cycle engine oil
-SUPPLIER: BEL-RAY COMPANY INC.
 P. O. BOX 526
 FARMINGDALE, NJ 07727-0526 USA
-SUPPLIER TELEPHONE: (1) 732-938-2421
-SUPPLIER FAX NUMBER: (1) 732-938-4232

***EMERGENCY TELEPHONE NUMBER:**

24 HOUR CONTACT FOR ACCIDENTS AND SPILLS:

UNITED STATES (1) 800-424-9300
 OUTSIDE OF US 703-527-3887 (call collect)
 EUROPE 32 22 01 18 87

2. COMPOSITION / INFORMATION ON INGREDIENTS

-SUBSTANCE: USUAL CHEMICAL NAME

***GENERIC NAME:** Mixture of mineral oils, polymers and solvents with lubricant additives.

	Chemical Name	CAS Number	Hazard Symbols	% Wt
1	mineral oils and polymer	Mixture	None	72-75
2	lubricant additives and dye	Mixture	None	7-9
3	Aliphatic hydrocarbon	64742-47-8	Xn; R22,R65	18.5

***INGREDIENTS CONTRIBUTION TO THE HAZARD:** Aliphatic hydrocarbon (Xn Harmful, R22 Harmful: if swallowed, R65 Harmful: may cause lung damage if swallowed).

-PREPARATIONS:

***CHEMICAL NATURE:** Product with mineral oils, polymers and solvents with lubricant additives.

***COMPONENTS CONTRIBUTING TO HAZARD:** Aliphatic hydrocarbon.

***IMPURITIES CONTRIBUTING TO HAZARDS:** None.

3. HAZARDS IDENTIFICATION

-PRINCIPAL HAZARDS: (SEE ALSO SECTIONS 11 AND 12):

***HARMFUL EFFECTS ON HEALTH:** Under normal use conditions, the oils and other ingredients in this product do not pose an acute risk of poisoning. It may be an irritant to skin or eyes, but is not a sensitizing agent.

***ENVIRONMENTAL EFFECTS:** Experiments carried out on similar products indicate that it poses little danger to aquatic and landborn life, also that it will be

intrinsically biodegradable. However, regulations forbid oils and lubricants being disposed of directly into the environment.

***PHYSICAL AND CHEMICAL HAZARDS:** No specific fire or explosion risk.

-SPECIFIC HAZARD: May cause lung damage if swallowed.

-EMERGENCY OVERVIEW: May cause lung damage if swallowed. In case of skin contact by high-pressure jet, there is the risk of introduction into the body. The patient must be sent to hospital even if there is not a visible wound. If rash or irritation persists, seek medical advice.

4. FIRST-AID MEASURES

IN SERIOUS ACCIDENTS, CALL A DOCTOR OR MEDICAL EMERGENCY SERVICES.

-ADVICE IN CASE OF:

***INHALATION:** Risk only exists for oil containing fraction of volatile distillates or where there has been aerosol formation or where the product has been heated to a high temperature. If gastrointestinal irritation has occurred, it may become necessary to establish an airway. In cases of exposure to high concentrations of vapors, smoke or aerosols, remove the patient to fresh air and keep warm and quiet.

***SKIN CONTACT:** After skin contact, wash with soap and water.

***EYE CONTACT:** Wash immediately with copious quantities of water, holding the eyelids open for at least 15 minutes. Obtain medical help.

***INGESTION (ORAL):** Special treatment not usually necessary. DO NOT INDUCE VOMITING to prevent aspiration into the respiratory passages.

-NOTES TO A PHYSICIAN: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

-FLASHPOINT: 95°C ASTM D 93.

-EXTINGUISHING MEDIA:

***SUITABLE:** Foam, CO₂, powder.

***NOT SUITABLE:** Water jet.

-SPECIFIC HAZARDS: (IN CASE OF FIRE OR EXPLOSION): Incomplete combustion and thermal decomposition produce gases such as carbon monoxide, carbon dioxide, smoke and hydrocarbons.

-SPECIAL FIRE FIGHTING REQUIREMENTS: Because of abundant production of smoke and dangerous fumes, the use of self-contained breathing apparatus is mandatory.

6. ACCIDENTAL RELEASE MEASURES

-PERSONAL PRECAUTIONS: Because of the risk of exposure, wear gloves, goggles and an apron impervious to hydrocarbons. Surfaces are made slippery by the spread of this product.

-ENVIRONMENTAL PRECAUTIONS: Installations should be designed to take all necessary precautions to avoid pollution of water and soil. To minimize risk

of pollution, protect sewer inlets from spillage. Protect sensitive areas of the environment such as water resources.

-CLEAN UP METHODS:

***RECOVERY:** Use physical means to recover spillage, such as pumping, vacuuming, absorb on dirt or sand and shoveling, etc. Contain spillage. Do not put into sewers.

-DISPOSAL: Contaminated material should be handled by an authorized waste collector. Dispose in accordance with applicable laws.

7. HANDLING AND STORAGE

-HANDLING:

***TECHNICAL MEASURES:**

-PREVENTION OF WORKER EXPOSURE: In case of possible formation of vapor, mists or aerosols, assure adequate ventilation. Keep away from other combustible materials and oxidizers. Store the product away from food and drink. Do not smoke, eat, or apply cosmetics in areas where this material is used or applied.

-PREVENTION OF FIRE AND EXPLOSION: Open containers may hold flammable or explosive vapors. Rags impregnated with the product, paper or material used to mop up spillage, present a fire risk. Do not allow these articles to accumulate; dispose of them safely, immediately after use.

***PRECAUTIONS: IN ORDER TO REDUCE THE RISK OF FIRE, DESIGN INSTALLATIONS TO AVOID:**

- Accidental spraying of the product onto hot surfaces or live electrics.
- Accidental leakage of oils onto a live circuit is transformed into a fine flammable spray (the lower limit of flammability of oil mists is reached at concentrations on the order of 45 g/M³).
- Prolonged and repeated contact with the skin can provoke skin irritation. Guard against splashing.
- After contact with the skin wash with soap and water.
- Immediately remove all clothes which have been splashed or soiled.
- Do not breathe vapors, mists or fumes.
- Do not eat, drink, smoke or apply cosmetics when using this material.

***HANDLING ADVICE (INCOMPATIBLE PRODUCTS):**

-Keep away from contact with strong oxidizing agents. Only use in containers, pipework etc., which are resistant to hydrocarbons.

-STORAGE:

***TECHNICAL MEASURES:**

-Store at ambient temperature away from water, moisture and all sources of ignition.

-STORAGE CONDITIONS:

-RECOMMENDATIONS:

- Keep containers closed when not in use.
- When designing installations, take all measures to avoid pollution of soil and water.
- Avoid non-weatherproof storage.

***INCOMPATIBLE PRODUCTS:** Reacts with strong oxidizers.

-PACKAGING MATERIAL:

-RECOMMENDATION: Do not use containers, pipework, etc., not resistant to hydrocarbons. Preferably keep product in its original packaging. If it is necessary to transfer the material, ensure that all the required labels are on the new packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

-ENGINEERING MEASURES TO REDUCE EXPOSURE: If appropriate, use the product with good ventilation on non-flammable materials (in the case of flash points less than 100 C).

-OTHER MEASURES:

***CONTROL PARAMETERS:** Exposure limits to oil mist: Limit Value - 10 mg/M3 during 15 minutes. Average exposure limit to oil mist: 5 mg/M3 for 8 hours.

-PERSONAL PROTECTION EQUIPMENT:

***PROTECTION FOR THE HANDS:** Impervious gloves resistant to hydrocarbons.

***PROTECTION TO THE EYES:** Goggles or safety glasses with side shields, in case of risk of splashing.

***PROTECTION TO THE SKIN AND OTHER PARTS OF THE BODY:** Where necessary, wear mask (respirator), boots, clothing impervious to hydrocarbons, safety shoes for the handling of drums.

-HYGIENE METHODS: Avoid prolonged and repeated contact of the skin. After contact with the skin, wash with soap and water. Do not use abrasive products, solvents or fuels for cleaning. In case of contact with the eyes, wash with copious quantities of water, holding the eyelids open for at least 15 minutes. Seek medical advice.

9. PHYSICAL AND CHEMICAL PROPERTIES

-APPEARANCE

*** Physical State:** Liquid.

*** COLOR:** Dark Green.

-ODOR: Mild petroleum.

-pH: No data available.

-SPECIFIC TEMPERATURES FOR CHANGE OF PHYSICAL STATE:

***POUR POINT:** No data available.

***BOILING POINT:** Not determined.

-FLASH POINT: 95°C ASTM D 93.

-EXPLOSIVE CHARACTERISTICS: Not determined.

-FLAMMABLE LIMITS IN AIR: Lower limit of oil mist: 45 g/M3 (estimated)

-VAPOR PRESSURE: Negligible at normal temperatures of storage and use.

-DENSITY: Approximately 875 KG/M3 at 20 C.

-SOLUBILITY:

***IN WATER:** Negligible.

***IN ORGANIC SOLVENTS:** Soluble in a large number of usual solvents.

10. STABILITY AND REACTIVITY

-STABILITY: Product is stable at normal use and storage temperatures in handling and use.

-DANGEROUS REACTIONS:

***CONDITIONS TO AVOID:** Heat (temperatures greater than the flash point): sparks, source of ignition, flames and static electricity.

***MATERIALS TO AVOID:** Strong oxidizers.

-DANGEROUS PRODUCTS OF DECOMPOSITION: Products of incomplete combustion or thermal degradation produce more or less toxic gases such as carbon monoxide, carbon dioxide, smoke and various hydrocarbons.

11. TOXICOLOGICAL INFORMATION

FOLLOWING FROM THE TOXICOLOGICAL DATA OF THE INDIVIDUAL COMPONENTS AND ADHERING STRICTLY TO THE REGULATORY CRITERIA, THE PRODUCTS SHOULD HAVE THESE CHARACTERISTICS:

-ACUTE TOXICITY:

***INHALATION:** Unlikely to pose a hazard under normal working conditions.

***SKIN CONTACT:** LD 50 > 10g/Kg dermal rabbit.

***INGESTION:** LD 50 > 5g/Kg oral rat. In the case of accidental ingestion, because of the product's low viscosity there is a risk of aspiration into the lungs, which could cause serious chemical pneumonia. (This risk exists if the Kinematic viscosity at 40 C is equal to or less than 16 centistokes.)

-LOCAL EFFECTS:

***INHALATION:** High concentrations of vapor or aerosols could be irritating to the respiratory passages and mucous membranes.

***SKIN CONTACT:** Depending on the case.

***EYE CONTACT:** Depending on the case.

-SENSITIZATION:

***SKIN CONTACT:** Depending on the case.

-CHRONIC OR LONG TERM TOXICITY:

***INHALATION:** Vapors and aerosols can be irritating to respiratory passages and mucous membranes.

***SKIN CONTACT:** Following prolonged or repeated exposure, or contact with soiled clothes, characteristic skin lesions can develop (oil acne).

-INGESTION: Chronic effects not known.

-SPECIFIC EFFECTS:

***NON CARCINOGENIC:** This product has been formulated from oils and other constituents, which are considered to be non-carcinogenic.

12. ECOLOGICAL INFORMATION

-MOBILITY:

***EARTH:** Taking account of its physiochemical properties, the product in general has little mobility in the soil.

***WATER:** Insoluble.

-PERSISTENCE AND DEGRADABILITY: Has not been tested.

-ECOTOXICITY: The unused product is not considered as harmful to vegetation. It is considered as a low hazard for aquatic organisms. Data is not known for the used product.

13. DISPOSAL CONSIDERATIONS

-WASTES OR REFUSE:

***APPROPRIATE METHODS FOR ELIMINATION:** Waste recovery, recycling or incineration in approved installation.

-HANDLING PRECAUTIONS:

***USED CONTAINERS:** Send to an authorized waste disposal contractor or drum recycler/reconditioner. Refer to local regulations.

-HANDLING PRECAUTIONS:

***LOCAL DISPOSAL:** Refer to local regulations.

14. TRANSPORT INFORMATION

This product is not regulated for transportation.

15. REGULATORY INFORMATION**-HAZARD LABELING: FOR USE OR EEC:**

***RISK PHRASES:** R22; R65
R22 Harmful if swallowed
R65 Harmful: may cause lung damage if swallowed.

***SAFETY PHRASES:** S2; S23; S24; S62

S2 Keep out of reach of children.
S23 Do not breathe vapor.
S24 Avoid contact with the skin.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show the container or label.

***LABEL:** Xn

Refer to local regulations for Code Of Working Practice, TLV's, etc.

16. OTHER INFORMATION

***DATE OF CIRCULATION OF THIS DATA SHEET:** 28 September 2001 (FW).
***THIS SHEET SUPERSEDES AND REPLACES DATA SHEET OF:** 19 January 2000 (CY).
***MSDS NUMBER:** 5170.00.

This data complements the technical bulletin but does not replace it. The information contained herein is based on our knowledge concerning this product as of the date indicated. It is given in good faith. The user however, should be aware of subsequent risks that may arise if this product is used in a manner for which it has not been developed. However, this does not give a dispensation to the user not to have knowledge of and apply the appropriate regulations relating to his business. The sole responsibility lies with the user rather than the producer, the regulatory requirements assembled here are set down simply to help the final user fulfill his statutory obligations, however this listing should not be considered as exhaustive. The user must assure himself that he has taken all necessary steps and followed all regulatory requirements in the use of this material.