# SAFETY DATA SHEET

# 1. Product and company identification

**Product name Bel-Ray Foam Filter Oil Spray** 

**Product code** 99200 SDS number 6433

Bel-Ray Company, LLC

GPO Box 2650 Sydney, NSW 1171 PO Box 526 Farmingdale N.J. 07727

1 732-938-2421

CHEMTREC: 1800 069 100 (AUS)

Bel-Ray Company, LLC

P.O. Box 526

Farmingdale, NJ 07727 **United States of America** 

+1 732 938 2421

CHEMTREC: 800-424-9300 (USA)

CHEMTREC: +1 703-527-3887 (outside USA - call collect)

#### Recommended use and Limitations on use Recommended use Lubricant

#### 2. Hazards identification

#### **GHS** classification

Physical hazards Flammable aerosols Category 1 Acute toxicity, dermal Health hazards Category 5 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A Reproductive toxicity Category 2 Specific target organ toxicity following Category 2 repeated exposure

**Environmental hazards** 

Hazardous to the aquatic environment, acute Category 3

hazard

Hazardous to the aquatic environment,

long-term hazard

Label elements

**Symbols** 



Signal word

Danger

Hazard statement

Extremely flammable aerosol. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Category 3

**Precautionary statement** 

Prevention

Keep out of reach of children. Read label before use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from

heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurised container: Do not pierce or burn, even after use. Wear eye/face protection. Do not breathe mist or vapour. Wash thoroughly after handling. Avoid release to the

environment. Wear protective gloves. Use personal protective equipment as required.

Material name: Bel-Ray Foam Filter Oil Spray SDS NEW ZEALAND Response If medical advice is needed, have product container or label at hand. IF ON SKIN: Wash with

plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical

advice/attention. Specific treatment (see this label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Supplemental information** None.

# 3. Composition/information on ingredients

Substance or mixture Mixtu	-e
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Chemical property	CAS Number	Concentration (%)
n-Hexane	110-54-3	10 - < 20
N-hexane		
Isobutane	75-28-5	5 - < 10
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	3 - < 5
Distillates (petroleum), Solvent-refined Heavy Paraffinic		
3-Methylpentane	96-14-0	1 - < 3
3-methylpentane		
2-methylpentane	107-83-5	< 1
2,3-dimethylbutane	79-29-8	< 0.2
Other components below reportable levels		70 - < 80

Other components below reportable levels

### 4. First aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Remove contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical

advice/attention. Wash contaminated clothing before reuse.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Ingestion**In the unlikely event of swallowing contact a physician or poison control centre. Rinse mouth. Do not induce vomiting. Never give liquid to an unconscious person.

**Potential delayed effects** Dizziness. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and

blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic

effects.

Personal protection for first-aid responders

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in

attendance

**Notes to physician** Provide general supportive measures and treat symptomatically. Keep victim under observation.

Symptoms may be delayed.

### 5. Fire-fighting measures

**Extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Extinguishing media to avoid** Do not use water jet as an extinguisher, as this will spread the fire.

HAZCHEM Code Number None

Specific hazards during fire

fighting

Contents under pressure. Pressurised container may explode when exposed to heat or flame.

During fire, gases hazardous to health may be formed.

Special fire fighting

procedures

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose

holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

**Protection of fire-fighters** Firefighters must use standard protective equipment including flame retardant coat, helmet with

face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Hazards from combustion

products

Carbon monoxide and carbon dioxide.

**Specific methods**Use standard firefighting procedures and consider the hazards of other involved materials. Move

containers from fire area if you can do so without risk. In the event of fire and/or explosion do not

breathe fumes.

**General fire hazards** Extremely flammable aerosol.

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#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.

**Environmental precautions** 

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

Spill cleanup methods

Refer to attached safety data sheets and/or instructions for use. Keep combustibles (wood, paper, oil etc) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

## 7. Handling and storage

#### Handling

**Precautions** 

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material Do not smoke while using or until sprayed surface is thoroughly dry. Do not breathe mist or vapour. Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women must not handle this product. Avoid release to the environment. Do not re-use empty containers.

Safe handling advice

Avoid prolonged exposure. Should be handled in closed systems, if possible. Observe good industrial hygiene practices. Use personal protection recommended in Section 8 of the SDS.

Prevention of fire and

explosion

Pressurised container: Do not pierce or burn, even after use. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Ground and bond

Local and general ventilation

Provide adequate ventilation.

containers when transferring material.

Storage

Suitable storage conditions

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not handle or store near an open flame, heat or other sources of ignition. Refrigeration recommended. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

Incompatible materials

Nitrates. Strong oxidising agents. Fluorine. Chlorine. For further information, please refer to section

Safe packaging materials

Pressurised container: Do not pierce or burn, even after use. Ground and bond containers when transferring material. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not use if spray button is missing or defective. Store in original tightly closed container. Do not re-use empty containers.

### 8. Exposure controls/personal protection

# **Exposure limits**

New Zealand. WES. (Workplace Exposure Standards)

STEL	/ .	
5.22	3500 mg/m3	
	1000 ppm	
TWA	1760 mg/m3	
	500 ppm	
STEL	3500 mg/m3	
	1000 ppm	
TWA	1760 mg/m3	
	500 ppm	
STEL	3500 mg/m3	
	1000 ppm	
	TWA STEL TWA	TWA 1760 mg/m3 500 ppm STEL 3500 mg/m3  TWA 1760 mg/m3 1000 ppm 1760 mg/m3 500 ppm 3500 ppm 3500 ppm 3500 ppm

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New Zealand. WES. (Workplace Ex Components	(posure Standards) Type	Value	Form
Components			
	TWA	1760 mg/m3	
	CTEL	500 ppm	8.41
Distillates (petroleum),	STEL	10 mg/m3	Mist.
olvent-refined heavy paraffinic (CAS 64741-88-4)			
didiffile (CAS 04741-00-4)	TWA	5 mg/m3	Mist.
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3	wiist.
i-Hexalie (CAS 110-54-5)	IVA	20 ppm	
IC ACCILITATION AND ALL STREET VALUE		20 ββιιι	
JS. ACGIH Threshold Limit Values Components	Туре	Value	
·			
2,3-dimethylbutane (CAS	STEL	1000 ppm	
79-29-8)	T10/0	F00	
) masthada antana (CAC	TWA	500 ppm	
2-methylpentane (CAS 107-83-5)	STEL	1000 ppm	
07-63-3)	TWA	500 ppm	
Mothylpoptano (CAS	STEL	1000 ppm	
3-Methylpentane (CAS 96-14-0)	SIEL	тооо ррпп	
· · · · · · · · · · · · · · · · · · ·	TWA	500 ppm	
sobutane (CAS 75-28-5)	STEL	1000 ppm	
n-Hexane (CAS 110-54-3)	TWA	50 ppm	
		00 pp	
JK. EH40 Workplace Exposure Lin Components	Type	Value	
20mponents			
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3	
		20 ppm	
Australia. National Workplace OEI	s (Workplace Exposure Stand	dards for Airborne Contan	ninants, Appendix A)
Components	Туре	Value	
2,3-dimethylbutane (CAS	STEL	3500 mg/m3	
79-29-8)			
		1000 ppm	
	TWA	1760 mg/m3	
		500 ppm	
2-methylpentane (CAS	STEL	3500 mg/m3	
107-83-5)			
		1000 ppm	
	TWA	1760 mg/m3	
		500 ppm	
3-Methylpentane (CAS	STEL	3500 mg/m3	
96-14-0)			
		1000 ppm	
	TWA	1760 mg/m3	
		500 ppm	
Distillates (petroleum),	TWA	5 mg/m3	
solvent-refined heavy			
paraffinic (CAS 64741-88-4)			
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3	
		20 ppm	
Australia. OELs. (Adopted Nationa	Exposure Standards for Atm	nospheric Contaminants in	n the Occupational
Environment) Components	Туре	Value	Form
2,3-dimethylbutane (CAS	STEL	3500 mg/m3	
79-29-8)		1000	
	T\A/A	1000 ppm	
	TWA	1760 mg/m3	
	CTF!	500 ppm	
2-methylpentane (CAS	STEL	3500 mg/m3	
107-83-5)		1000 ppm	
		τουο μριτι	

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Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational **Environment)** 

Components	Туре	Value	Form
	TWA	1760 mg/m3	
		500 ppm	
3-Methylpentane (CAS 96-14-0)	STEL	3500 mg/m3	
		1000 ppm	
	TWA	1760 mg/m3	
		500 ppm	
Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)	TWA	5 mg/m3	Mist.
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3 20 ppm	

#### **Biological limit values**

Components	Value	Determinant	Specimen	Sampling time
n-Hexane (CAS 110-54-3)	0.4 mg/l	2,5-Hexanedion , without hydrolysis	Urine	*

<sup>\* -</sup> For sampling details, please see the source document.

#### **Exposure guidelines**

### **US ACGIH Threshold Limit Values: Skin designation**

n-Hexane (CAS 110-54-3)

Can be absorbed through the skin.

**Engineering controls** 

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Personal protective equipment

Respiratory protection Chemical respirator with organic vapour cartridge and full facepiece.

**Hand protection** Wear appropriate chemical resistant gloves.

Skin protection Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Eye/face protection Chemical respirator with organic vapour cartridge and full facepiece.

Radioactive or thermal

hazards

Follow standard monitoring procedures.

Hygiene measures

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

#### 9. Physical and chemical properties

**Appearance** Gaseous. Liquid.

Physical state Liquid. **Form** Aerosol Colour Not available. Petroleum Odour **Odour threshold** Not available. Not available. pН

Melting point/freezing point

-187.6 °C (-305.68 °F) estimated

Boiling point, initial boiling

Flammability limit - upper

point, and boiling range

Not available.

Flash point -104.4 °C (-156.0 °F) propellant

**Auto-ignition temperature** Not available. Flammability (solid, gas) Not available. Flammability limit - lower 1.1 % estimated (%)

9.5 % estimated

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(%)

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Explosive limit - lower (%) Not available. Explosive limit - upper Not available.

(%)

Vapour pressure Not available. 696.00 kg/m3 Density Not available. Vapour density Not available. **Evaporation rate** Not available. Relative density

Solubility(ies)

Solubility (water) Not available. Partition coefficient Not available.

(n-octanol/water)

**Decomposition temperature** Not available. Percent volatile 27.65 % estimated

Other data

Flammable IA Flash point class

0.7 Specific gravity VOC 50 %

# 10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Stability Risk of ignition.

Conditions to avoid Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong oxidising agents. Nitrates. Fluorine. Chlorine.

Hazardous decomposition

products

At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

# 11. Toxicological information

#### Information on likely routes of exposure

Ingestion Expected to be a low ingestion hazard.

Rat

Inhalation May cause damage to organs through prolonged or repeated exposure by inhalation. Prolonged

inhalation may be harmful.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

**Test results Product Species** Bel-Ray Foam Filter Oil Spray

**Acute** Inhalation

LC50 Mouse 10667 mg/l, 2 Hours estimated

689 mg/l, 1 Hours estimated

10318 mg/l, 4 Hours estimated

8973 mg/l, 15 Minutes estimated

Components **Species Test results** 

Isobutane (CAS 75-28-5)

**Acute** Inhalation

LC50 Mouse 52 mg/l, 1 Hours

n-Hexane (CAS 110-54-3)

**Acute** 

Inhalation

LC50 Mouse 48000 ppm, 4 Hours

Material name: Bel-Ray Foam Filter Oil Spray SDS NEW ZEALAND Components **Species Test results** Oral LD50 Rat 28710 mg/kg

Routes of exposure Inhalation. Skin contact. Eye contact.

**Symptoms** Dizziness. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and

blurred vision. Skin irritation. May cause redness and pain.

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye

irritation

Causes serious eye irritation.

Based on available data, the classification criteria are not met. Respiratory sensitiser Skin sensitiser Based on available data, the classification criteria are not met. Germ cell mutagenicity Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met. Carcinogenicity

Suspected of damaging fertility. Toxic to reproduction

Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated

exposure

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful. Repeated absorption may cause disorder of central nervous

system, liver, kidneys and blood. May cause damage to organs through prolonged or repeated

exposure.

Relevant negative data Not available.

# 12. Ecological information

#### Ecotoxicological data

Product		Species	Test results
Bel-Ray Foam Filter C	Dil Spray		
Aquatic			
Fish	LC50	Fish	445.8556 mg/l, 96 hours estimated
Components		Species	Test results
n-Hexane (CAS 110-5	54-3)		
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	2.101 - 2.981 mg/l, 96 hours

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Persistence and degradability No data is available on the degradability of this product.

**Bioaccumulation** No data available.

Partition coefficient n-octanol/water (log Kow)

> 2,3-dimethylbutane 3.42 2-methylpentane 3.74 3-Methylpentane 3.6 Isobutane 2.76 n-Hexane 3.9

**Bioconcentration factor (BCF)** Not available.

Mobility No data available for this product.

Other hazardous effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

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<sup>\*</sup> Estimates for product may be based on additional component data not shown.

### 13. Disposal considerations

Disposal Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under methods/information

pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not

contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Special precautions Dispose in accordance with all applicable regulations.

# 14. Transport information

IATA

**UN number** UN1950

**UN** proper shipping name Aerosols, flammable

Transport hazard class(es)

Class 2.1 Subsidiary risk

Packing group Not applicable.

**Environmental hazards** 

Special precautions for Read safety instructions, SDS and emergency procedures before handling.

user **IMDG** 

> **UN number** UN1950

**UN proper shipping name** AEROSOLS, flammable

Transport hazard class(es)

Class 2.1 Subsidiary risk

Packing group Not applicable.

**Environmental hazards** 

Marine pollutant No.

**EmS** Not available.

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78

and the IBC Code

IATA; IMDG



# 15. Regulatory information

#### **Applicable regulations**

# New Zealand Inventory of Chemicals (NZIoC): Registration status

Not established.

2,3-dimethylbutane (CAS 79-29-8) **HSNO Approved** 2-methylpentane (CAS 107-83-5) **HSNO** Approved 3-Methylpentane (CAS 96-14-0) **HSNO** Approved

Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)

group standard

May be used as a single component chemical under an appropriate

Isobutane (CAS 75-28-5) **HSNO** Approved n-Hexane (CAS 110-54-3) **HSNO Approved** 

#### **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No

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Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

# 16. Other information

**References** Not available.

Issued by

Not available.

Prepared by

Not available.

**Disclaimer** Bel-Ray Company, LLC cannot anticipate all conditions under which this information and its product,

or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any

process, unless specified in the text.

**Issue date** 15-March-2013 **Revision date** 01-June-2016

**Revision information** This document has undergone significant changes and should be reviewed in its entirety

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