



# SAFETY DATA SHEET

## Section 1: Identification of the substance/mixture and of the company/undertaking

### Product identifier

**Trade name or designation of the mixture** No-Tox Food Grade Silicone Valve Seal Lubricant

**Product code** 64100

**Registration number** -

**Synonyms** No-Tox Silicone Valve Seal

**Date of first issue** 12-May-2011

**Version number** 1,1

**Revision date** 05-November-2011

**Supersedes date** 29-September-2011

### Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Not available.

**Uses advised against** None known.

### Details of the supplier of the safety data sheet

Bel-Ray Company, Inc.  
Bel-Ray Europe S.A.  
Avenue Louise, 304  
P.O. Box 526  
Farmingdale, NJ 07727  
Bruxelles-Brussel, B-1050  
Belgium  
United States of America  
+1 732 938 2421  
+32 (0) 2 540 84 52  
Europe: +32 (0) 2 201 18 87  
CHEMTREC: 800-424-9300 (USA)  
CHEMTREC: +1 703-527-3887 (outside USA - call collect)  
Europe Emergency: 112

**NSF** Food-grade lubricant. NSF H1 Registered Number 126283.

## Section 2: Hazards identification

### Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

### Classification according to Directive 67/548/EEC or 1999/45/EC as amended

This preparation does not meet the criteria for classification according to Directive 1999/45/EC as amended.

### Classification according to Regulation (EC) No 1272/2008 as amended

#### Environmental hazards

Hazardous to the aquatic environment - long-term hazard

Category 2 (0,95% of the mixture consists of ingredient(s) of unknown hazards to the aquatic environment.) Toxic to aquatic life with long lasting effects.

### Hazard summary

**Physical hazards** Not classified for physical hazards.

**Health hazards** Not classified for health hazards.

**Environmental hazards** Not classified for hazards to the environment.

**Specific hazards** Not available.

**Main symptoms** Not available.

### Label elements



<b>Hazard statements</b>	Toxic to aquatic life with long lasting effects.
<b>Precautionary statements</b>	
<b>Prevention</b>	Avoid release to the environment.
<b>Response</b>	Collect spillage.
<b>Storage</b>	Not available.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Supplemental label information</b>	Not applicable.
<b>Other hazards</b>	Not assigned.

### Section 3: Composition/information on ingredients

#### Mixture

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
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Silicone oil	90 - 100	63148-62-9	-	-	
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<b>Classification:</b>	<b>DSD:</b> -
	<b>CLP:</b> Aquatic Chronic 2;H411

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Silicon dioxide	5 - < 10	112945-52-5 231-545-4	-	-	
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<b>Classification:</b>	<b>DSD:</b> -
	<b>CLP:</b> -

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Other components below reportable levels < 1

CLP: Regulation No. 1272/2008.  
DSD: Directive 67/548/EEC.  
#: This substance has workplace exposure limit(s).  
PBT: persistent, bioaccumulative and toxic substance.  
vPvB: very persistent and very bioaccumulative substance.

**Composition comments** Not available.

### Section 4: First aid measures

**General information** Not available.

#### Description of first aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. If ingestion of a large amount does occur, call a poison control centre immediately. Never give liquid to an unconscious person.

**Most important symptoms and effects, both acute and delayed** Not available.

**Indication of any immediate medical attention and special treatment needed** Not available.

### Section 5: Firefighting measures

**General fire hazards** Not available.

## Extinguishing media

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Water. Do not use water jet as an extinguisher, as this will spread the fire.

**Special hazards arising from the substance or mixture** Not available.

## Advice for firefighters

**Special protective equipment for firefighters** Wear suitable protective equipment.

**Special firefighting procedures** Water runoff can cause environmental damage.

## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Keep people away from and upwind of spill/leak. Ensure adequate ventilation.

**For emergency responders** Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the MSDS.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not contaminate water. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground.

**Methods and material for containment and cleaning up** This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Prevent product from entering drains.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

**Reference to other sections** For personal protection, see section 8. For waste disposal, see section 13.

## Section 7: Handling and storage

**Precautions for safe handling** Avoid release to the environment. Do not empty into drains.

**Conditions for safe storage, including any incompatibilities** Store in original tightly closed container. Use care in handling/storage. Store in accordance with local/regional/national/international regulation.

**Specific end use(s)** Not available.

## Section 8: Exposure controls/personal protection

### Control parameters

### Occupational exposure limits

#### Austria

No exposure limits noted for the ingredient(s).

#### Belgium

No exposure limits noted for the ingredient(s).

#### Bulgaria

No exposure limits noted for the ingredient(s).

#### Cyprus

No exposure limits noted for the ingredient(s).

#### Czech Republic

No exposure limits noted for the ingredient(s).

#### Denmark

No exposure limits noted for the ingredient(s).

#### Estonia

No exposure limits noted for the ingredient(s).

**Finland**

No exposure limits noted for the ingredient(s).

**France**

No exposure limits noted for the ingredient(s).

**Germany**

No exposure limits noted for the ingredient(s).

**Germany - TRGS 900**

No exposure limits noted for the ingredient(s).

**Greece**

No exposure limits noted for the ingredient(s).

**Hungary**

No exposure limits noted for the ingredient(s).

**Iceland**

No exposure limits noted for the ingredient(s).

**Ireland**

No exposure limits noted for the ingredient(s).

**Italy**

No exposure limits noted for the ingredient(s).

**Latvia**

No exposure limits noted for the ingredient(s).

**Lithuania**

No exposure limits noted for the ingredient(s).

**Luxembourg**

No exposure limits noted for the ingredient(s).

**Malta**

No exposure limits noted for the ingredient(s).

**Netherlands**

No exposure limits noted for the ingredient(s).

**Norway**

No exposure limits noted for the ingredient(s).

**Poland**

No exposure limits noted for the ingredient(s).

**Portugal**

No exposure limits noted for the ingredient(s).

**Romania**

No exposure limits noted for the ingredient(s).

**Slovakia**

No exposure limits noted for the ingredient(s).

**Slovenia**

No exposure limits noted for the ingredient(s).

**Spain**

No exposure limits noted for the ingredient(s).

**Sweden**

No exposure limits noted for the ingredient(s).

**Switzerland**

No exposure limits noted for the ingredient(s).

**United Kingdom**

No exposure limits noted for the ingredient(s).

**EU, 91/322/EEC, 2000/39/EC, 2006/15/EC**

No exposure limits noted for the ingredient(s).

**Biological limit values****EU, 91/322/EEC, 2000/39/EC, 2006/15/EC**

No biological exposure limits noted for the ingredient(s).

**Finland**

No biological exposure limits noted for the ingredient(s).

**France**

No biological exposure limits noted for the ingredient(s).

**Luxembourg**

No biological exposure limits noted for the ingredient(s).

**Spain**

No biological exposure limits noted for the ingredient(s).

**United Kingdom**

No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Follow standard monitoring procedures.

**DNEL** Not available.

**PNEC** Not available.

**Exposure controls**

**Appropriate engineering controls** Provide adequate general and local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**General information** Not available.

**Eye/face protection** Not normally needed.

**Skin protection**

- **Hand protection** Not normally needed.

- **Other** Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Respiratory protection** No personal respiratory protective equipment normally required.

**Thermal hazards** Not available.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practices.

**Environmental exposure controls** Contain spills and prevent releases and observe national regulations on emissions. Environmental manager must be informed of all major releases.

**Section 9: Physical and chemical properties****Information on basic physical and chemical properties**

**Appearance** Gel.

**Physical state** Liquid.

**Form** Grease

**Colour** White.

**Odour** Mild.

**Odour threshold** Not available.

**pH** Not applicable.

**Flash point** > 315 °C (> 599 °F) Pensky-Martens Closed Cup

**Auto-ignition temperature** Not applicable.

**Flammability (solid, gas)** Not available.

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Oxidising properties** Not applicable.

**Explosive properties** Not applicable.

**Explosive limit** Not applicable.

**Vapour pressure** Not applicable.

**Density** 975 kg/m<sup>3</sup>

**Vapour density** Not applicable.

**Evaporation rate** Not applicable.

**Relative density** Not available.

**Solubility (water)** Negligible

**Solubility (other)** Oil

## Information on basic physical and chemical properties

<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Bulk density</b>	Not applicable.
<b>Pour point</b>	Not applicable.
<b>Viscosity</b>	1000 cSt ADTM D445 (Base Oil)
<b>Viscosity temperature</b>	25 °C (77 °F)
<b>VOC (Weight %)</b>	Not available.
<b>Percent volatile</b>	Not available.
<b>Other data</b>	
<b>Drop point</b>	> 260 °C (> 500 °F)
<b>Flammability class</b>	Combustible IIIB estimated
<b>Specific gravity</b>	0,98
<b>Other information</b>	No relevant additional information available.

## Section 10: Stability and reactivity

<b>Reactivity</b>	None known. Strong oxidizing agents.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Not available.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	No dangerous reaction known under conditions of normal use. At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

## Section 11: Toxicological information

**General information** Not available.

### Information on likely routes of exposure

**Ingestion** Not available.

**Inhalation** Not available.

**Skin contact** Not available.

**Eye contact** Not available.

**Symptoms** Not available.

### Information on toxicological effects

**Acute toxicity** Not available.

### Product

### Test results

No-Tox Food Grade Silicone Valve Seal Lubricant (Mixture)	Acute Dermal LD50 Rabbit: 2500 g/kg estimated Acute Oral LD50 Guinea pig: 292,8571 g/kg estimated Acute Oral LD50 Mouse: 5454,5454 g/kg estimated Acute Oral LD50 Rabbit: 366,4631 g/kg estimated Acute Oral LD50 Rat: 4107,1431 ml/kg estimated Acute Oral LD50 Rat: 695,2381 g/kg estimated Acute Other LD50 Mouse: 363,6364 g/kg estimated Acute Other LD50 Rat: 38,0952 g/kg estimated
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\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Not available.

**Serious eye damage/eye irritation** Not available.

**Respiratory sensitisation** Not available.

**Skin sensitisation** Not available.

**Germ cell mutagenicity** Not available.

**Carcinogenicity** Not available.

<b>Reproductive toxicity</b>	Not available.
<b>Specific target organ toxicity - single exposure</b>	Not available.
<b>Specific target organ toxicity - repeated exposure</b>	Not available.
<b>Aspiration hazard</b>	Not available.
<b>Mixture versus substance information</b>	Not available.
<b>Other information</b>	Not available.

## Section 12: Ecological information

### Toxicity

Product	Test results
No-Tox Food Grade Silicone Valve Seal Lubricant (Mixture)	LC50 Fish: 15,64 mg/l 96 hours estimated
Components	Test results
Silicone oil (63148-62-9)	LC50 Channel catfish ( <i>Ictalurus punctatus</i> ): 2,36 - 4,15 mg/l 96 hours

\* Estimates for product may be based on additional component data not shown.

<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	Not available.
<b>Mobility</b>	Not available.
<b>Environmental fate - Partition coefficient</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Results of PBT and vPvB assessment</b>	Not available.
<b>Other adverse effects</b>	Not available.

## Section 13: Disposal considerations

### Waste treatment methods

<b>Residual waste</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
<b>EU waste code</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Disposal methods/information</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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.

## Section 14: Transport information

### ADR

Not regulated as dangerous goods.

### RID

Not regulated as dangerous goods.

### ADN

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

## Section 15: Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulations

**Other regulations** The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

**National regulations** Not available.

**Chemical safety assessment** No Chemical Safety Assessment has been carried out.

## Section 16: Other information

**List of abbreviations** Not available.

**References** Not available.

**Information on evaluation method leading to the classification of mixture** Not available.

### Full text of any statements or R-phrases and H-phrases under Sections 2 to 15

H411 - Toxic to aquatic life with long lasting effects.

**Revision information** IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING: Bel Ray Custom Labels

**Training information** Not available.

**Disclaimer** Bel-Ray Company 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.

**Issue date** 05-November-2011

**Revision date** 05-November-2011

**Print date** 05-November-2011

### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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