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# SAFETY DATA SHEET

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## Section 1 – Chemical Product and Company Identification:

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### RIDE SEAL OTR & INDUSTRIAL SEALANT RS22OBU

- 1.1 **Product Identification:** Ride Seal OTR & Industrial Tires Sealant
- 1.2 **Product Brand & Number:** Ride Seal RS22OBU
- 1.3 **Recommended use of the product and restrictions on use:**  
A solution of chemicals for use in OTR & industrial tires for puncture and corrosion protection.
- 1.4 **Company's Name:** PACIFIC DYNAMIC TECH.  
**Address:** 23331 El Toro Rd,  
Lake Forest, Ca 92630
- 1.5 **Information Phone #s:** 1-949-791-7772      Emergency Phone #: 1-949-791-7772

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## Section 2 – Hazards Identification:

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### 2.1 Classification of product:

This material is considered non-hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

### 2.2 Label elements:

#### 2.3 GHS Label elements

The product is classified and labeled according to the Globally Harmonized System (GHS)

#### 2.4 Hazard Pictograms

None Required

#### 2.5 Signal word:

None Required

#### 2.6 Hazard-determining components of labeling:

N/A

#### 2.7 Hazard statements:

None Required

#### 2.8 Precautionary statements:

##### General

P102 – Keep out of reach of children.

P103: Read label before use.

##### Disposal

P501 - Dispose of contents/container in accordance with local, state and federal regulations

2.9 **Trade Name:** RIDE SEAL OTR & INDUSTRIAL SEALANT (RS22OBU) - Protects down to 10° F

3.0 **Classification system:**

NFPA ratings (scale 0-4) - Health = 1, Fire = 1, Reactivity = 0

HMIS ratings (scale 0-4) - Health = 1, Fire = 1, Reactivity = 0



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## Section 3 – Composition / Information on Ingredients:

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3.1 **Chemical characterization:** Mixtures

3.2 **Description:** Mixture of substances listed below with nonhazardous additions.

3.3 **Dangerous components**

None at levels above the cut-offs which would be considered hazardous under GHS.

Percentages of ingredients are being withheld as trade secret information and vary according to each product. This information will be disclosed as necessary to authorized individuals.

No hazardous ingredients in reportable quantities under USA, Canada, EU, and UN regulations are present in this product.

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## Section 4 – First Aid Measures:

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4.1 **Description of first aid measures:**

*After Inhalation:* Supply fresh air, consult doctor in case of complaints

*After Eye Contact:* In case of contact, remove any contact lenses, immediately flush eyes with water for at least 15 minutes and get medical attention.

*Skin Contact:* Generally the product does not irritate the skin.

*After Ingestion:* If symptoms appear and persist seek medical advice.

*Important symptoms and effects, both acute and delayed:* No further information is available.

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## Section 5- Fire-Fighting Measures:

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5.1 **Extinguishing media:**

Suitable extinguishing agents: CO<sub>2</sub>, Extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 **Protective equipment:** Wear self contained breathing apparatus pressure demand (NIOSH) approved or equivalent and full protective gear to prevent contact with skin or eyes.

5.3 **Unusual fire or explosion hazards:** None

5.4 **Hazardous combustion products:** Carbon Oxides, CO and CO<sub>2</sub>, and possible unknown gases.

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## Section 6 – Accidental Release Measures:

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6.1 **Personal precautions, protective equipment and emergency procedures:** Not required

6.2 **Containment and environmental precautions:**

Utilize standard liquid absorption material and dike where necessary, dilute with plenty of water. Do not allow to enter sewers/surface or ground water. Ensure adequate ventilation. Dispose of collected material in accordance with regulations.

6.3 **Reference to other sections:**

See section 7 for information on safe handling

See section 8 for information on personal protective gear

See section 13 for disposal information

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## Section 7 – Handling and Storage:

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7.1 **Handling/Storage precautions:** Ensure good ventilation and exhaust. Prevent the formation of aerosols. Store in tightly closed containers. Guard against puncture.

7.2 **Information about protection against explosion and fires:** No special measures needed

7.3 **Specific end uses:** No further information available

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## Section 8 – Exposure Controls/Personal Protection:

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8.1 **Additional information about design of technical systems:** No further data; see section 7

8.2 **Components with occupational exposure limits:**

57-55-6 Propylene Glycol - WEEL Long term value: 10 mg/m<sup>3</sup>

107-21-1 Ethylene Glycol - TLV Long term value: NIC-10\* mg/m<sup>3</sup>, (H);\* as inhalable fraction and vapor

Additional information: The lists that were valid during the creation were used as basis.

8.3 **Exposure controls:**

*General protective and hygienic measures:*

Keep away from foodstuffs, beverages, and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before and after breaks and the end of work.

Avoid contact with eyes and skin

*Breathing equipment:* Not required

*Protection of hands:* Utilize gloves that are chemically resistant and durable enough to withstand the rigors of manual labor. Actual "hands on" experience is needed to determine the efficacy of work gloves.

*Eye protection:* Tightly sealed goggles

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## Section 9 – Physical and Chemical Properties:

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### 9.1 Properties:

Appearance:	Blue, green or orange water/glycol viscous liquid solution
Odor:	Characteristic
Odor threshold:	Not determined
Flammability	Not flammable
Solubility in water:	Fully miscible
Boiling Point:	< 350° F
Flash Point:	N/A
Ignition temperature:	371° C (700F)
Auto ignition:	Product is not self igniting
Danger of explosion:	Product is not explosive
Explosion limits:	
Lower:	0.0 Vol %
Upper:	12.6 Vol %
Decomposition temperature:	Not determined
Specific Gravity:	(H2O = 1): 1.06
pH:	10 ± .5
Vapor Pressure @ 20 C (68 F)	23 hPa (17 mm Hg)
Density:	
Relative density	Not determined
Vapor density	Not determined
Evaporation rate	Not determined
Partition coefficient (n-octanol/water):	Not determined
Boiling point:	Not determined
Melting point:	Not applicable
Freeze Point:	< - 9° C, <18° F
Viscosity:	Range = 11,000 cps - 1,300 cps with an increasing rpm
Solvent content:	
Organic solvents:	12.0 %
Water:	74.2%
VOC content:	12.0 %
Solids content:	3.0 %

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## Section 10 – Stability and Reactivity:

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### 10.1 Information on stability and reactivity:

*Reactivity:* No further information available

*Chemical stability:* Stable under normal conditions

*Thermal decomposition / Conditions to avoid:* No decomposition if used to  
according to specifications

*Incompatibility:* Oxidizing agents

*Hazardous Decomposition or Byproducts:* None known

*Hazardous Polymerization:* Will not occur



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## Section 11 – Toxicological Information:

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### 11.1 Information on toxicology:

Acute toxicity: LD/LC 50 values that are relevant for classification:  
7632-00-0 sodium nitrite - Oral LD50 - 85 mg/kg (rat)  
Primary irritant effect. on skin - none, on eyes – mildly irritating

### 11.2 Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

### 11.3 Carcinogenic categories:

IARC (International Agency for Research on Cancer)  
110-91-8 Morpholine  
NTP (National Toxicological Program)  
None of the ingredients are listed  
OSHA-CA (Occupational Safety & Health Administration)  
None of the ingredients are listed

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## Section – 12 Ecological Information:

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### 12.1 Toxicity:

Aquatic toxicity: No further relevant information available

### 12.2 Persistence and degradability: No further relevant information available

### 12.3 Mobility in soil: No further relevant information available

### 12.4 Additional ecological information:

General notes: Water hazard class 1 (self assessment): slightly hazardous for water

### 12.5 Results of PBT and vPvB assessment:

PBT: Not applicable  
vPvB: Not applicable

### 12.6 Other adverse effects: No further relevant information available

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## Section 13 – Disposal Considerations:

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### 13.1 Waste treatment methods:

Recommendations: Must not be disposed of together with household garbage. Do not allow product to reach sewage system

### 13.2 Uncleaned packages:

Recommendations: Disposal must be made according to official regulations

### 13.3 Recommended cleansing agent: Water, if necessary with cleaning agents

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## Section 14 – Transport Information:

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- 14.1 **UN - Number**  
DOT, ADR, IMDG, IATA - Non-Regulated Material
- 14.2 **UN proper shipping name:**  
DOT, ADR, IMDG, IATA - Non-Regulated Material
- 14.3 **Transport hazard class (es)**  
DOT, ADR, IMDG, IATA class - Non-Regulated Material
- 14.4 **Packing group:**  
DOT, ADR, IMDG, IATA - Non-Regulated Material
- 14.5 **Environmental hazards:**  
Marine pollutant: No
- 14.6 **Special precautions for user:** Not applicable
- 14.7 **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable
- 14.8 **UN "Model Regulation":** -

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## Section 15 – Regulatory Information:

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- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture:**  
SARA: Section 335 (extremely hazardous substances:  
None of the ingredients are listed  
Section 313 (Specific toxic chemical listings)  
107--21-1 ethylene glycol  
7632-00-0 sodium nitrite
- 15.2 **TSCA (Toxic Substances Control Act):** All ingredients are listed
- 15.3 **Proposition 65:**  
  
Chemicals known to cause cancer:  
None of the ingredients are listed  
Chemicals known to cause reproductive toxicity for females:  
None of the ingredients are listed  
Chemicals known to cause reproductive toxicity for males:  
None of the ingredients are listed  
Chemicals known to cause developmental toxicity:  
None of the ingredients are listed
- 15.4 **Carcinogenic categories:**  
EPA (Environmental Protection Agency) - None of the ingredients are listed  
TLV (Threshold Limit Value established by ACGIH)  
107-21-1 Ethylene Glycol A4  
1332-58-7 Kaolin 2 mg/m<sup>3</sup>  
110-91-8 Morpholine A4
- 15.5 **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed

**15.6 GHS Label elements:**

The product is classified and labeled according to the Globally Harmonized System (GHS)

**15.7 Hazard pictograms:**

None Required

**15.8 Signal word:** None Required.

**15.9 Hazard-determining components of labeling:** N/A

**15.91 Hazard statements:** None Required.

**15.92 Precautionary statements:**

**General**

P102 – Keep out of reach of children.

P103: Read label before use.

**Disposal**

P501 - Dispose of contents/container in accordance with local, state and federal regulations

**15.93 National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances

**15.94 States right to know:**

57-55-6 Propylene Glycol

15-35 %

107-21-1 Ethylene Glycol

5-10 %

STOT RE, H373; Acute Tox 4, H302



1332-58-7 Kaolin

STOT SE 3, H335



=< 2.5%

7632-00-0 Sodium Nitrite

=< 2.5%

Ox Sol, 3, H272, Acute Tox 3, H301, Aquatic Acute 1, H400



110-91-8 Morpholine

=< 2.5 %

Flam Liq 3, H226; Skin Corr 1B, H314, Acute Tox 4, H302, Acute Tox 4, H312:

Acute Tox 4, H332



11138-66-2 Xanthan Gum

=< 2.5 %

Chemical safety assessment: Has not been carried out

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## Section 16 – Other Information:

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Additional Comments: None

**Abbreviations and acronyms:**

ADR - Accord européen sur transport des marchandises dangereuses par Route (European Agreement concerning the international Carriage of Dangerous Goods by Road)

ADN - The European Agreement concerning the international Carriage of Dangerous Goods by inland Waterways

IMDG - International Maritime Code for Dangerous Goods

DOT - US Department of Transportation

IATA - International Air Transport Association  
ACGIH - American Conference of Governmental Industrial Hygienists  
EINECS - European Inventory of Existing Commercial Chemical Substances  
ELINCS - European List of Notified Chemical Substances  
CAS - Chemical Abstract Service (division of the American Chemical Society)  
NFPA - National Fire Protection Association (USA)  
HMIS - Hazard Materials Identification System (USA)  
VOC - Volatile Organic Compounds (USA, EU)  
LC50 - Lethal concentration, 50%  
LD50 - Lethal dose, 50%  
Ox, Sol 3 - Oxidizing Solids, Hazard Category 3  
Acute Tox 3- Acute toxicity, Hazard Category 3  
Acute Tox 4 - Acute toxicity, Hazard Category 4  
Eye Irrit 2B - Serious eye damage/eye irritation, Hazard Category 2B  
STOT RE 2 - Specific target organ toxicity - Repeated exposure, Hazard Category 2  
Aquatic Acute 1 - Hazardous to the aquatic environment - Acute Hazard, Category 1

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