Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • **Slip Tac**

Product Code • 46-250; 46-251; 46-252

Product Description • Slippery blue liquid with little or no odor.

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

Relevant identified use(s) • Tire bead lubricant

1.3 Details of the supplier of the safety data sheet

Manufacturer • Patch Rubber Company

100 Patch Rubber Road
Weldon, NC 27890
United States

Telephone (General) • (252)-536-2574

Responsible Party - EU • Christian Gimenez

Intertek Analytical Services France

France

Telephone (Technical) • 33 (0) 6 07 11 22 15

1.4 Emergency telephone number

Manufacturer • 1-800-424-9300 - CHEMTREC

Manufacturer • +1 703-527-3887 - CHEMTREC - Outside USA & CANADA (collect calls accepted)

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

2.1 Classification of the substance or mixture

CLP • Not classified

2.2 Label Elements

CLP

Hazard statements • No label element(s) required

2.3 Other Hazards

CLP
- According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.

United States (US)
According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture
OSHA HCS 2012
- Not classified

2.2 Label elements
OSHA HCS 2012

Hazard statements
- No label elements(s) required

2.3 Other hazards
OSHA HCS 2012
- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Canada
According to: WHMIS

2.1 Classification of the substance or mixture
WHMIS
- Not classified

2.2 Label elements
WHMIS
- No label element(s) required

2.3 Other hazards
WHMIS
- In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

3.1 Substances
- Material does not meet the criteria of a substance.

3.2 Mixtures

Composition					
Chemical Name	**Identifiers**	**%**	**LD50/LC50**	**Classifications According to Regulation/Directive**	**Comments**
Partially neutralized polyacrylic acid	NDA	2%	NDA	**EU CLP:** Not Classified **OSHA HCS 2012:** Not Classified	NDA
Modified Acrlic Polymer	NDA	0.5%	NDA	**EU CLP:** Not Classified **OSHA HCS 2012:** Not Classified	NDA
Sodium hydroxide	**CAS:**1310-73-2 **EC Number:**215-185-5	0.384% TO 0.4%	NDA	**EU CLP:** Annex VI, Table 3.1: Skin Corr. 1A, H314 **OSHA HCS 2012:** Skin Corr. 1B; Eye Dam.	NDA

	EU Index:011-002-00-6			1	
Polyethylene glycol mono(octylphenyl) ether	**CAS:**9036-19-5	0.3783%	Ingestion/Oral-Rat LD50 • 4190 mg/kg	**EU CLP:** Eye Irrit. 2, H319; Aquatic Acute 1, H400 **OSHA HCS 2012:** Eye Irrit. 2	NDA
Antimicrobial Agent	NDA	0.21%	NDA	**EU CLP:** Eye Irrit. 2, H319; Skin Irrit. 2; H315; STOT SE 3: Resp. Irrit., H335; Acute Tox. 4 (Orl), H302 **OSHA HCS 2012:** Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3: Resp. Irrit.; Acute Tox. 4 (Orl)	NDA
Oxazolidine, 4,4-dimethyl- *[78%]*	**CAS:**51200-87-4 **EINECS:**257-048-2	*0.1638%*	Ingestion/Oral-Rat LD50 • 950 mg/kg Inhalation-Rat LC50 • 11700 mg/m³ Skin-Rabbit LD50 • 1400 mg/kg	**EU CLP:** Acute Tox. 4, H302; Acute Tox. 4, H312 **OSHA HCS 2012:** Acute Tox. 4 (Skn, Orl)	NDA

See section 16 for full text of H-statements.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

Skin
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

Eye
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If signs/symptoms develop, get medical attention.

Ingestion
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media
- In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media
- No data available.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards
- Material is non-combustible and is not expected to pose a fire or explosion hazard.

Hazardous Combustion Products
- Hydrocarbons, Carbon Oxides.

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection.

Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions
- Do not walk through spilled material. Spilled material may be slippery. Prompt clean up of any spill is necessary to help ensure safety of work area.

Emergency Procedures
- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

6.2 Environmental precautions

- Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures
- For larger spills absorb with earth, sand or other non-combustible material. Sweep up or shovel absorbed material into an appropriate container for later disposal. Wash spill are with soap and water.
  Wipe small spills up with a paper towel and discard then rinse area with water.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling
- Use only with adequate ventilation. Avoid contact with skin and eyes. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage
- Keep container closed when not in use. Store in a cool, dry place. Do not allow product to freeze.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines					
	Result	**ACGIH**	**Canada Ontario**	**Canada Quebec**	**OSHA**
Sodium hydroxide (1310-73-2)	Ceilings	2 mg/m3 Ceiling	2 mg/m3 Ceiling	2 mg/m3 Ceiling	Not established
	TWAs	Not established	Not established	Not established	2 mg/m3 TWA

Exposure Limits Supplemental

ACGIH

•Sodium hydroxide (1310-73-2): **TLV Basis - Critical Effects:** (eye, skin and upper respiratory tract irritation)

8.2 Exposure controls

Engineering Measures/Controls
- Good general ventilation 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.

Personal Protective Equipment

Respiratory	• No respiratory protection is required under normal conditions and use. In case of insufficient ventilation, wear suitable respiratory equipment.
Eye/Face	• Wear safety goggles.
Skin/Body	• Wear appropriate gloves.
Environmental Exposure Controls	• Follow best practice for site management and disposal of waste. Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene
OSHA = Occupational Safety and Health Administration
TLV = Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Slippery blue liquid with little or no odor.
Color	Blue	Odor	little to none.
Odor Threshold	Data lacking		
General Properties			
Boiling Point	212 F(100 C)	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	7 to 9
Specific Gravity/Relative Density	= 1.01 Water=1	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	18 mmHg (torr) @ 68 F(20 C)	Vapor Density	< 1 Air=1
Evaporation Rate	< 1 n-Butyl Acetate = 1		
Flammability			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Extreme temperatures. Incompatible materials.

10.5 Incompatible materials

- Strong oxidizers and chemicals such as alkali metals that are incompatible with water-based solutions.

10.6 Hazardous decomposition products

- Hydrocarbons, Carbon Oxides from dried solids.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Sodium hydroxide (0.384% TO 0.4%)	1310-73-2	**Irritation:** Eye-Rabbit • 1 % • Severe irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Severe irritation; **Mutagen:** Cytogenetic analysis • Unreported Route-Hamster • Lung (Somatic cell) • 10 mmol/L
Polyethylene glycol mono (octylphenyl) ether (0.3783%)	9036-19-5	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 2800 mg/kg; *Behavioral*:**Somnolence (general depressed activity)**; **Irritation:** Eye-Rabbit • 1 % • Severe irritation; **Multi-dose Toxicity:** Ingestion/Oral-Mouse TDLo • 8750 mg/kg 30 Day(s)-Intermittent; *Related to Chronic Data*:**Death in the Other Multiple Dose data type field**; **Mutagen:** Other mutation test systems • Ingestion/Oral-Rat • 10200 mg/kg
Oxazolidine, 4,4-dimethyl- (0.1638%)	51200-87-4	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 950 mg/kg; Inhalation-Rat LC50 • 11700 mg/m³; Skin-Rabbit LD50 • 1400 mg/kg

GHS Properties	Classification
Respiratory sensitization	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Serious eye damage/Irritation	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Acute toxicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Aspiration Hazard	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Carcinogenicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Germ Cell Mutagenicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Skin corrosion/Irritation	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Skin sensitization	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
STOT-RE	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking

STOT-SE	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Toxicity for Reproduction	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking

Potential Health Effects

Inhalation

Acute (Immediate)
- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)
- No data available.

Skin

Acute (Immediate)
- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)
- No data available.

Eye

Acute (Immediate)
- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)
- No data available.

Ingestion

Acute (Immediate)
- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)
- No data available.

Key to abbreviations
LC = Lethal Concentration
LD = Lethal Dose
TD = Toxic Dose

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Cross linked polymers in this product are not biodegradeable.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been carried out.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
TDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA

14.6 Special precautions for user

- None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Data lacking.

Section 15 - Regulatory Information

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

SARA Hazard Classifications

- None

State Right To Know				
Component	**CAS**	**MA**	**NJ**	**PA**
Oxazolidine, 4,4-dimethyl-	51200-87-4	No	No	No
Polyethylene glycol mono(octylphenyl) ether	9036-19-5	No	No	No
Sodium hydroxide	1310-73-2	Yes	Yes	Yes

Inventory					
Component	**CAS**	**Canada DSL**	**Canada NDSL**	**EU EINECS**	**TSCA**
Oxazolidine, 4,4-dimethyl-	51200-87-4	Yes	No	Yes	Yes
Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Yes	No	No	Yes
Sodium hydroxide	1310-73-2	Yes	No	Yes	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Sodium hydroxide	1310-73-2	E (including 0.04% in aqueous solution, 0.04N, 0.08%, 0.4% in aqueous solution, 2%, 2.5%, 4% in aqueous solution, 5%, 10%, 16%, 20%, 40%, 50% in

		aqueous solution, 8.7N)
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	D2B
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Sodium hydroxide	1310-73-2	1 %
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	1 %
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

• Sodium hydroxide	1310-73-2	C; R35
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Sodium hydroxide	1310-73-2	5%<=C: C; R:35 2%<=C<5%: C; R:34 0.5%<=C<2%: Xi; R:36/38
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Sodium hydroxide	1310-73-2	C R:35 S:(1/2)-26-37/39-45
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Sodium hydroxide	1310-73-2	S:(1/2)-26-37/39-45
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Sodium hydroxide	1310-73-2	Not Listed
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Sodium hydroxide	1310-73-2	Not Listed
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Sodium hydroxide	1310-73-2	Not Listed
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Sodium hydroxide	1310-73-2	1000 lb final RQ; 454 kg final RQ
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Sodium hydroxide	1310-73-2	Not Listed
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Sodium hydroxide	1310-73-2	Not Listed
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Sodium hydroxide	1310-73-2	Not Listed
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Sodium hydroxide	1310-73-2	Not Listed
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Sodium hydroxide	1310-73-2	Not Listed
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Sodium hydroxide	1310-73-2	Not Listed
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Sodium hydroxide	1310-73-2	Not Listed
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Sodium hydroxide	1310-73-2	Not Listed
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Sodium hydroxide	1310-73-2	Not Listed
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

• Sodium hydroxide	1310-73-2	
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Sodium hydroxide	1310-73-2	Not Listed
• Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Not Listed
• Oxazolidine, 4,4-dimethyl-	51200-87-4	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H302 - Harmful if swallowed
  H312 - Harmful in contact with skin
  H314 - Causes severe skin burns and eye damage.
  H315 - Causes skin irritation
  H319 - Causes serious eye irritation
  H335 - May cause respiratory irritation
  H400 - Very toxic to aquatic life

Revision Date

- 24/November/2015

Preparation Date

- 11/April/2013

Disclaimer/Statement of Liability

- The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

Key to abbreviations

NDA = No data available.