

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Smart Spair Plus Thru-Core
Product code : 50165, 50166

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Tire sealant
Restrictions on use : No additional information available

1.3. Supplier

Supplier

ITW Global Tire Repair, Inc.
125 Venture Drive, Suite 210, San Luis Obispo, CA 93401, USA
Tel: (888) 457-5463 (Toll Free)

1.4. Emergency telephone number

Emergency number : Chemtel: +1(813)248-0585 (International)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Gases under pressure Compressed gas	H280	Contains gas under pressure; may explode if heated
Skin sensitization, Category 1	H317	May cause an allergic skin reaction
Specific target organ toxicity (repeated exposure) Category 2	H373	May cause damage to organs (kidneys) through prolonged or repeated exposure (oral)
Simple Asphyxiant	SIAS	May displace oxygen and cause rapid suffocation

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning

Hazard statements (GHS US) : H280 - Contains gas under pressure; may explode if heated
H317 - May cause an allergic skin reaction
H373 - May cause damage to organs (kidneys) through prolonged or repeated exposure (oral)
May displace oxygen and cause rapid suffocation

Precautionary statements (GHS US) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.
P260 - Do not breathe mist, vapors, spray.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves, eye protection.
P302+P352 - If on skin: Wash with plenty of soap and water.
P314 - Get medical advice/attention if you feel unwell.

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P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P410+P403 - Protect from sunlight. Store in a well-ventilated place.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with paragraph (i) of § 1910.1200

Name	Product identifier	%	GHS US classification
Nitrogen (Propellant gas (Aerosol))	CAS-No.: 7727-37-9	≥ 0.75 - ≤ 1.25	Press. Gas (Comp.), H280 Simple Asphy, SIAS
Ethylene glycol	CAS-No.: 107-21-1	≥ 20 – < 25	Acute Tox. 4 (Oral), H302 STOT RE 2, H373
Natural rubber latex	CAS-No.: 9006-04-6	≥ 15 – < 20	Skin Sens. 1B, H317
Potassium hydroxide	CAS-No.: 1310-58-3	≥ 0.25 – < 0.5	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell. Give oxygen or artificial respiration if necessary.

First-aid measures after skin contact : Take off contaminated clothing. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

First-aid measures after ingestion : Rinse mouth out with water. Drink plenty of water. Do NOT induce vomiting. Get medical advice/attention.

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4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: May cause shortness of breath, tightness of the chest, a sore throat and cough.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Rednesses. Itching. Skin rash/inflammation.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating. Redness. Itching. Lacrimation. Blurred vision.
Symptoms/effects after ingestion	: Ingestion is not considered a potential route of exposure. Not expected to present a significant hazard under anticipated conditions of normal use.
Chronic symptoms	: May cause damage to organs through prolonged or repeated exposure.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Carbon dioxide. Dry powder. Alcohol-resistant foam. Use extinguishing agent suitable for surrounding fire.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: Burning produces stinking and toxic fumes. In case of fire and/or explosion do not breathe fumes.
Explosion hazard	: Contains gas under pressure; may explode if heated.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Nitrogen oxides.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Evacuate the danger area. Move containers from fire area if it can be done without personal risk. Exercise caution when fighting any chemical fire. Fight fire with normal precautions from a reasonable distance. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: May displace oxygen and cause rapid suffocation.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Evacuate unnecessary personnel. Ventilate spillage area. Do not breathe spray. Do not get in eyes, on skin, or on clothing. Do not touch or walk on the spilled product. No action shall be taken without appropriate training or involving any personal risk.

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel.

6.2. Environmental precautions

Avoid release to the environment. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Notify authorities if product enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up

- For containment : Stop leak, if possible without risk. Do not touch or walk on the spilled product. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Move containers from spill area. Leave the product to evaporate. Absorb remaining liquid with sand or inert absorbent and remove to safe place. Clean area with detergent and water after spill clean-up. Prevent entry to sewers and public waters. Keep in suitable, closed containers for disposal. Dispose of as hazardous waste.
- Other information : Dispose of via an authorised person/ licensed waste disposal contractor or by other suitable waste treatment techniques.

6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Provide local exhaust or general room ventilation. Do not breathe spray. Wear personal protective equipment. Avoid contact with skin and eyes. Pressurized container: Do not pierce or burn, even after use. Empty containers retain product residue and can be hazardous. Avoid release to the environment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool. Keep away from food, drink and animal feedingstuffs. Protect from sunlight. Store away from heat. Refer to Section 10 on Incompatible Materials. Do not store in unlabelled containers. Store in accordance with local, regional, national or international regulation.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Smart Spair Plus Thru-Core	
No additional information available	
Ethylene glycol (107-21-1)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Ethylene glycol
ACGIH OEL TWA	25 ppm (V - Vapor fraction)
ACGIH OEL STEL	10 mg/m ³ (I - Inhalable particulate matter, H - Aerosol only)
	50 ppm (V - Vapor fraction)
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2023

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Natural rubber latex (9006-04-6)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Natural rubber latex, as inhalable allergenic proteins
ACGIH OEL TWA	0.0001 mg/m ³ (I - Inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: Resp sens. Notations: Skin; DSEN; RSEN
Regulatory reference	ACGIH 2023
Potassium hydroxide (1310-58-3)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Potassium hydroxide
ACGIH OEL Ceiling	2 mg/m ³
Remark (ACGIH)	TLV® Basis: URT, eye, & skin irr
Regulatory reference	ACGIH 2023
Nitrogen (7727-37-9)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Nitrogen
Remark (ACGIH)	TLV® Basis: Simple Asphyxiant
Regulatory reference	ACGIH 2023
Monitoring methods	
Monitoring methods	Refer to all applicable national, international and local regulations or provisions.

8.2. Appropriate engineering controls

Appropriate engineering controls	: Handle in accordance with good industrial hygiene and safety procedures. Provide local exhaust or general room ventilation. Avoid all unnecessary exposure. Ensure exposure is below occupational exposure limits (where available).
Environmental exposure controls	: Avoid release to the environment. Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment. Personal protective equipment should be chosen according to the NIOSH standards and in discussion with the supplier of the protective equipment.

Hand protection:
Chemical resistant gloves (according to NIOSH standard). Please follow the instructions related to the permeability and the penetration time provided by the manufacturer
Eye protection:
Use splash goggles when eye contact due to splashing is possible
Skin and body protection:
Wear suitable protective clothing. Skin protection appropriate to the conditions of use should be provided

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Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Where excessive vapor, mist, or dust may result, use approved respiratory protection equipment. All respirators must conform to specifications for efficiency and performance indicated by OSHA Standard 29 CFR 1910.134 and NIOSH Standards

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Gas
Appearance	: Aerosol.
Color	: According to product specification
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Contains gas under pressure; may explode if heated.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Hazardous polymerization: Will not occur.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Protect from sunlight. Overheating. High temperature. Heat or source of heat.

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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Ethylene glycol (107-21-1)	
LC50 Inhalation - Rat	> 2.5 mg/l (6 h)
ATE US (oral)	500 mg/kg body weight

Potassium hydroxide (1310-58-3)	
LD50 oral rat	284 mg/kg
ATE US (oral)	500 mg/kg body weight

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified

Potassium hydroxide (1310-58-3)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).

Ethylene glycol (107-21-1)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not applicable
Viscosity, kinematic : No data available
Symptoms/effects after inhalation : May cause shortness of breath, tightness of the chest, a sore throat and cough.
Symptoms/effects after skin contact : May cause an allergic skin reaction. Rednesses. Itching. Skin rash/inflammation.
Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating. Redness. Itching. Lacrimation. Blurred vision.
Symptoms/effects after ingestion : Ingestion is not considered a potential route of exposure. Not expected to present a significant hazard under anticipated conditions of normal use.
Chronic symptoms : May cause damage to organs through prolonged or repeated exposure.
Other information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

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Ethylene glycol (107-21-1)	
LC50 - Fish [1]	> 72860 mg/l (96 h, Pimephales promelas)
EC50 - Crustacea [1]	> 100 mg/l (48 h, Daphnia magna)
EC50 - Other aquatic organisms [1]	> 1995 mg/l (30 min, activated sludge, ISO 8192)
NOEC chronic algae	> 10000 mg/l (7 d, Scenedesmus quadricauda)
Potassium hydroxide (1310-58-3)	
LC50 - Fish [1]	80 mg/l (96 h, Gambusia affinis)

12.2. Persistence and degradability

Smart Spair Plus Thru-Core	
Persistence and degradability	Biodegradability in water: no data available.
Ethylene glycol (107-21-1)	
Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	0.78 g O ₂ /g substance
Chemical oxygen demand (COD)	0.00119 g O ₂ /g substance
ThOD	0.00129 g O ₂ /g substance
Biodegradation	90 – 100 % (10 d, OECD 301A)
Natural rubber latex (9006-04-6)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

Smart Spair Plus Thru-Core	
Bioaccumulative potential	No data available concerning bioaccumulation.
Ethylene glycol (107-21-1)	
Bioaccumulative potential	Not potentially bioaccumulable.
Natural rubber latex (9006-04-6)	
Bioaccumulative potential	No data available concerning bioaccumulation.
Nitrogen (7727-37-9)	
Partition coefficient n-octanol/water (Log Pow)	0.67

12.4. Mobility in soil

Smart Spair Plus Thru-Core	
Ecology - soil	Because of its high volatility, the product is unlikely to cause ground or water pollution.
Natural rubber latex (9006-04-6)	
Mobility in soil	No additional information available

12.5. Other adverse effects

Other adverse effects : No other effects known.
Effect on global warming : No known effects from this product.

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SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Do not dispose of the packaging without first carrying out the necessary cleaning.
Ecological information	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

DOT NA No	: UN1950
UN-No. (TDG)	: UN1950
UN-No. (IMDG)	: 1950
UN-No. (IATA)	: 1950

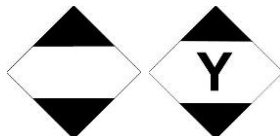
14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Aerosols
Proper Shipping Name (TDG)	: AEROSOLS
Proper Shipping Name (IMDG)	: AEROSOLS
Proper Shipping Name (IATA)	: Aerosols, non-flammable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT)	: LTD QTY (LTD QTY Y)
Hazard labels (DOT)	: LTD QTY, LTD QTY Y



TDG

Transport hazard class(es) (TDG)	: 2.2
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IMDG

Transport hazard class(es) (IMDG)	: 2.2
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IATA

Transport hazard class(es) (IATA)	: 2.2
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14.4. Packing group

Packing group (DOT)	: Not applicable
Packing group (TDG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

14.5. Environmental hazards

Other information	: No supplementary information available.
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14.6. Special precautions for user

Special transport precautions	: Limited quantity for packages less than 30 kg gross and inner packagings less than 1 L
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DOT	
UN-No.(DOT)	: UN1950
DOT Packaging Exceptions (49 CFR 173.xxx)	: 306
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 150 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 25 - Protected from sources of heat,87 - Stow "separated from" Class 1 (explosives) except Division 14,126 - Segregation same as for Class 9, miscellaneous hazardous materials
TDG	
UN-No. (TDG)	: UN1950
TDG Special Provisions	: 80 - Despite section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment),107 - (1) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transporting of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL. (2) Subsection (1) does not apply to self-defence spray.
Explosive Limit and Limited Quantity Index	: 1 L
Excepted quantities (TDG)	: E0
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 75 L
Emergency Response Guide (ERG) Number	: 126
IMDG	
Special provision (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP200
Packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES
EmS-No. (Spillage)	: S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)
Stowage category (IMDG)	: None
IATA	
PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provision (IATA)	: A98, A145, A167, A802
ERG code (IATA)	: 2L

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

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Ethylene glycol	CAS-No. 107-21-1	$\geq 20 - < 25\%$
Natural rubber latex	CAS-No. 9006-04-6	$\geq 15 - < 20\%$
Potassium hydroxide	CAS-No. 1310-58-3	$\geq 0.25 - < 0.5\%$
Nitrogen	CAS-No. 7727-37-9	100%

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Ethylene glycol	CAS-No. 107-21-1	$\geq 20 - < 25\%$
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Ethylene glycol (107-21-1)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	5000 lb
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Potassium hydroxide (1310-58-3)

CERCLA RQ	1000 lb
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15.2. International regulations

CANADA

Ethylene glycol (107-21-1)

Listed on the Canadian DSL (Domestic Substances List)

Natural rubber latex (9006-04-6)

Listed on the Canadian DSL (Domestic Substances List)

Potassium hydroxide (1310-58-3)

Listed on the Canadian DSL (Domestic Substances List)

Nitrogen (7727-37-9)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

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Not listed on the United States TSCA (Toxic Substances Control Act) inventory

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Ethylene glycol (107-21-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Natural rubber latex (9006-04-6)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Potassium hydroxide (1310-58-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Nitrogen (7727-37-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations



WARNING:

This product can expose you to Ethylene glycol (ingested), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Data sources : Supplier's safety documents. ECHA (European Chemicals Agency).

Training advice : Training staff on good practice.

Full text of H-phrases

H280	Contains gas under pressure; may explode if heated
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.