

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

1 Identification

- **Product identifier** 11004 15169
- **Trade name: Non-Flammable Rubber Cement** 11007 15177
- **Details of the supplier of the safety data sheet** 12960 15181
- **Manufacturer/Supplier:** 12075 15189
- Plews & Edelmann 12077 15262
- 1550 Franklin Grove Rd. 12085 15282
- Dixon, IL 61021 12086 15298
- Ph: 800-545-1689 12087
- **Emergency telephone number:** 12089
- For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident 13230
- Call CHEMTREC Day or Night 14130
- Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: 14132
- +1 703-527-3887 (collect calls accepted) 14134
- **This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.** 15162

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Muta. 2	H341	Suspected of causing genetic defects.
Carc. 1B	H350	May cause cancer.
Repr. 1A	H360	May damage fertility or the unborn child.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.



GHS07

Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2A	H319	Causes serious eye irritation.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

- **Label elements**

- **GHS label elements**

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

- **Hazard pictograms**



GHS07



GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

Acetylene Trichloride (Trichloroethylene)
methylene chloride

- **Hazard statements**

Causes skin irritation.

(Contd. on page 2)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Trade name: Non-Flammable Rubber Cement

(Contd. of page 1)

Causes serious eye irritation.
 Suspected of causing genetic defects.
 May cause cancer.
 May damage fertility or the unborn child.
 May cause respiratory irritation. May cause drowsiness or dizziness.
 May cause damage to organs through prolonged or repeated exposure.
 Harmful to aquatic life with long lasting effects.

Precautionary statements

Do not breathe dust/fume/gas/mist/vapors/spray.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves.
 Wear eye protection / face protection.
 Avoid release to the environment.
 Wash thoroughly after handling.
 Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Specific treatment (see on this label).
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 Call a poison center/doctor if you feel unwell.
 IF exposed or concerned: Get medical advice/attention.
 If skin irritation occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 Get medical advice/attention if you feel unwell.
 If on skin: Wash with plenty of water.
 Take off contaminated clothing and wash it before reuse.
 Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

NFPA ratings (scale 0 - 4)



HMIS-ratings (scale 0 - 4)

HEALTH	2	Health = *2
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

* 3 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture: consisting of the following components.

(Contd. on page 3)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Trade name: Non-Flammable Rubber Cement

(Contd. of page 2)

· Dangerous Components:		
79-01-6	Acetylene Trichloride (Trichloroethylene) ⚠ Muta. 2, H341; Carc. 1B, H350; Repr. 1A, H360; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H336; Aquatic Chronic 3, H412	45-55%
75-09-2	methylene chloride ⚠ Carc. 2, H351; STOT RE 2, H373; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335-H336	35-45%
9006-04-6	Natural rubber latex	5-15%
· SVHC		
79-01-6	Acetylene Trichloride (Trichloroethylene)	

* 4 First-aid measures

· Description of first aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Not a normal route of entry.

In case of unconsciousness, place patient securely on side position for transportation.

· After skin contact:

Wash with soap and water.

Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Not anticipated under normal use.

· Most important symptoms and effects, both acute and delayed

No further relevant information available.

· Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

· Extinguishing media

· Suitable extinguishing agents:

Use fire fighting measures that suit the environment.

· Special hazards arising from the substance or mixture

No further relevant information available.

· Advice for firefighters

· Protective equipment:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

* 6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Not required.

· Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:

Use the appropriate tools to collect the material and dispose of it in an approved waste disposal container.

Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

(Contd. on page 4)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Trade name: Non-Flammable Rubber Cement

(Contd. of page 3)

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

* 7 Handling and storage

· **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:** Keep protective respiratory device available.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Keep receptacle tightly sealed.

· **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

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

· **Control parameters**

· **Components with occupational exposure limits:**

79-01-6 Acetylene Trichloride (Trichloroethylene)

PEL	Long-term value: 100 ppm Ceiling limit value: 200; 300* ppm *5-min peak in any 2 hrs
REL	See Pocket Guide Apps. A and C
TLV	Short-term value: 135 mg/m ³ , 25 ppm Long-term value: 54 mg/m ³ , 10 ppm BEI

75-09-2 methylene chloride

PEL	Short-term value: 125 ppm Long-term value: 25 ppm see 29 CFR 1910.1052
REL	See Pocket Guide App. A
TLV	Long-term value: 174 mg/m ³ , 50 ppm BEI

9006-04-6 Natural rubber latex

TLV	Long-term value: 0.0001* mg/m ³ Skin; DSEN, RSEN,* inh. fraction
-----	--

(Contd. on page 5)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Trade name: Non-Flammable Rubber Cement

(Contd. of page 4)

· Ingredients with biological limit values:	
79-01-6 Acetylene Trichloride (Trichloroethylene)	
BEI	15 mg/L urine end of shift at end of workweek Trichloroacetic acid (nonspecific) 0.5 mg/L blood end of shift at end of workweek Trichloroethanol without hydrolysis (nonspecific) - blood end of shift at end of workweek Trichloroethylene (semi-quantitative) - end-exhaled air end of shift at end of workweek Trichloroethylene (semi-quantitative)
75-09-2 methylene chloride	
BEI	0.3 mg/L urine end of shift Dichloromethane (semi-quantitative)

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

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.

· **Breathing equipment:** Not required.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 6)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Trade name: Non-Flammable Rubber Cement

(Contd. of page 5)

· **Penetration time of glove material**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**

Safety glasses

Tightly sealed goggles

* 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Pasty

Color:

Light yellow

· **Odor:**

Chloroform-like

· **Odor threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

Melting point/Melting range:

Not determined.

Boiling point/Boiling range:

40 °C (104 °F)

· **Flash point:**

> 410 °C (> 770 °F)

· **Flammability (solid, gaseous):**

Not applicable.

· **Ignition temperature:**

410 °C (770 °F)

· **Decomposition temperature:**

Not determined.

· **Auto igniting:**

Product is not selfigniting.

· **Danger of explosion:**

Product does not present an explosion hazard.

· **Explosion limits:**

Lower:

7.9 Vol %

Upper:

90.0 Vol %

· **Vapor pressure @ 20 °C (68 °F):**

453 hPa (340 mm Hg)

· **Density @ 20 °C (68 °F):**

1.362 g/cm³ (11.366 lbs/gal)

· **Relative density**

Not determined.

· **Vapour density**

Not determined.

· **Evaporation rate**

Not determined.

· **Solubility in / Miscibility with**

Water:

Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):**

Not determined.

· **Viscosity:**

Dynamic:

Not determined.

Kinematic:

Not determined.

· **Solvent content:**

Organic solvents:

90.0 %

VOC content:

45-50 %

· **Other information**

No further relevant information available.

(Contd. on page 7)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Trade name: Non-Flammable Rubber Cement

(Contd. of page 6)

* 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**
Carbon dioxide and carbon monoxide may form when heated to decomposition
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Heat, flame and ignition sources.
- **Incompatible materials:** Strong oxidizing agents.
- **Hazardous decomposition products:** No dangerous decomposition products known.

* 11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

79-01-6 Acetylene Trichloride (Trichloroethylene)

Oral	LD50	2402 mg/kg (mouse)
Dermal	LD50	8450 mg/kg (mouse)

75-09-2 methylene chloride

Oral	LD50	1600 mg/kg (rat)
Inhalative	LC50/4 h	88 mg/l (rat)

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:**

Irritating effect.

Causes serious eye irritation.

- **Additional toxicological information:**

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

Irritant

Carcinogenic.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

79-01-6	Acetylene Trichloride (Trichloroethylene)	2A
75-09-2	methylene chloride	2B

- **NTP (National Toxicology Program)**

79-01-6	Acetylene Trichloride (Trichloroethylene)	R
75-09-2	methylene chloride	R

- **OSHA-Ca (Occupational Safety & Health Administration)**

75-09-2	methylene chloride
---------	--------------------

(Contd. on page 8)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Trade name: Non-Flammable Rubber Cement

(Contd. of page 7)

* 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:**
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

* 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Observe all federal, state and local environmental regulations when disposing of this material.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

* 14 Transport information

- | | |
|--|------------------------|
| · UN-Number | |
| · DOT, ADR, ADN, IMDG, IATA | Non-Regulated Material |
| · UN proper shipping name | |
| · DOT, ADR, ADN, IMDG, IATA | Non-Regulated Material |
| · Transport hazard class(es) | |
| · DOT, ADR, ADN, IMDG, IATA | |
| · Class | Non-Regulated Material |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | Non-Regulated Material |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

(Contd. on page 9)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Trade name: Non-Flammable Rubber Cement

(Contd. of page 8)

* 15 Regulatory information

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

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

79-01-6 Acetylene Trichloride (Trichloroethylene)

75-09-2 methylene chloride

· **TSCA (Toxic Substances Control Act):**

79-01-6 Acetylene Trichloride (Trichloroethylene)

75-09-2 methylene chloride

· **Proposition 65**

· **Chemicals known to cause cancer:**

79-01-6 Acetylene Trichloride (Trichloroethylene)

75-09-2 methylene chloride

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

79-01-6 Acetylene Trichloride (Trichloroethylene)

· **Chemicals known to cause developmental toxicity:**

79-01-6 Acetylene Trichloride (Trichloroethylene)

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

79-01-6 Acetylene Trichloride (Trichloroethylene)

CaH

75-09-2 methylene chloride

L

· **TLV (Threshold Limit Value established by ACGIH)**

79-01-6 Acetylene Trichloride (Trichloroethylene)

A2

75-09-2 methylene chloride

A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

79-01-6 Acetylene Trichloride (Trichloroethylene)

75-09-2 methylene chloride

· **GHS label elements**

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

· **Hazard pictograms**



GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

Acetylene Trichloride (Trichloroethylene)

(Contd. on page 10)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Trade name: Non-Flammable Rubber Cement

(Contd. of page 9)

methylene chloride

· **Hazard statements**

Causes skin irritation.

Causes serious eye irritation.

Suspected of causing genetic defects.

May cause cancer.

May damage fertility or the unborn child.

May cause respiratory irritation. May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

Do not breathe dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Wear protective gloves.

Wear eye protection / face protection.

Avoid release to the environment.

Wash thoroughly after handling.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Specific treatment (see on this label).

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a poison center/doctor if you feel unwell.

IF exposed or concerned: Get medical advice/attention.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

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

· **National regulations:**

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

· **State Right to Know**

79-01-6 Acetylene Trichloride (Trichloroethylene)

⚠ Muta. 2, H341; Carc. 1B, H350; Repr. 1A, H360; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H336; Aquatic Chronic 3, H412

75-09-2 methylene chloride

⚠ Carc. 2, H351; STOT RE 2, H373; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335-H336

9006-04-6 Natural rubber latex

All ingredients are listed.

· **Information about limitation of use:**

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

· **This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.**

16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not

(Contd. on page 11)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Trade name: Non-Flammable Rubber Cement

(Contd. of page 10)

establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of preparation / last revision** 9/25/2019

· **Abbreviations and acronyms:**

ADR: Accord européen sur le 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 Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Muta. 2: Germ cell mutagenicity, Hazard Category 2

Carc. 1B: Carcinogenicity, Hazard Category 1B

Carc. 2: Carcinogenicity, Hazard Category 2

Repr. 1A: Reproductive toxicity, Hazard Category 1A

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

· *** Data compared to the previous version altered.**

Printing date 02/05/2015

Reviewed on 02/05/2015

1 Identification

- **Product identifier** **Product Number: various**
- **Trade name:** **Rubber Patch**
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Distributor:**
Plews Edelmann
1550 Franklin Grove Road
Dixon, IL 61021
- **Emergency telephone number:**
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887

*** 2 Hazard(s) identification**

- **Classification of the substance or mixture**



GHS08 Health hazard

Muta. 1B H340 May cause genetic defects.
Carc. 1A H350 May cause cancer.
STOT RE 2 H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.



GHS09 Environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07



GHS08



GHS09

(Contd. on page 2)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/05/2015

Reviewed on 02/05/2015

Trade name: Rubber Patch

- **Signal word** Danger
- **Hazard-determining components of labeling:**
 - 1,3-butadiene buta-1,3-diene
 - benzothiazole-2-thiol
 - Carbon black
 - White Carbon Black
- **Hazard statements**
 - Causes skin irritation.
 - Causes serious eye irritation.
 - May cause an allergic skin reaction.
 - May cause genetic defects.
 - May cause cancer.
 - May cause respiratory irritation.
 - May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.
 - Toxic to aquatic life with long lasting effects.
- **Precautionary statements**
 - Do not breathe dust/fume/gas/mist/vapors/spray.
 - Use only outdoors or in a well-ventilated area.
 - Wear protective gloves.
 - Wear eye protection / face protection.
 - Avoid release to the environment.
 - Wash thoroughly after handling.
 - Contaminated work clothing must not be allowed out of the workplace.
 - Obtain special instructions before use.
 - Do not handle until all safety precautions have been read and understood.
 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - Specific treatment (see on this label).
 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - Call a poison center/doctor if you feel unwell.
 - Wash contaminated clothing before reuse.
 - IF exposed or concerned: Get medical advice/attention.
 - If skin irritation or rash occurs: Get medical advice/attention.
 - If eye irritation persists: Get medical advice/attention.
 - Get medical advice/attention if you feel unwell.
 - If on skin: Wash with plenty of water.
 - Collect spillage.
 - Take off contaminated clothing and wash it before reuse.
 - Store locked up.
 - Store in a well-ventilated place. Keep container tightly closed.
 - Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Unknown acute toxicity:**
 - 37.2 percent of the mixture consists of ingredient(s) of unknown toxicity.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



(Contd. on page 3)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/05/2015

Reviewed on 02/05/2015

Trade name: Rubber Patch

· **HMS-ratings (scale 0 - 4)**

HEALTH	2	Health = *2
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

· **Other hazards** None known

* 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture: consisting of the following components.

· **Dangerous Components:**

CAS: 9006-04-6	Natural rubber latex	23-24%
CAS: 106-99-0 RTECS: EI 9275000	1,3-butadiene buta-1,3-diene ⚠ Flam. Gas 1, H220; ⚠ Muta. 1B, H340; Carc. 1A, H350; Press. Gas, H280	23-24%
CAS: 1333-86-4 RTECS: FF 5150100	Carbon black ⚠ Carc. 2, H351; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	14.8-15.5%
CAS: 10279-57-9	White Carbon Black ⚠ STOT RE 2, H373; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	9.7-10.5%
CAS: 1332-58-7	Argil	7.3-7.7%
CAS: 471-34-1 RTECS: EV 9580000	Calcium Carbonate ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	5.8-6.2%
CAS: 149-30-4 RTECS: DL 6475000	benzothiazole-2-thiol ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	4-4.3%
CAS: 1314-13-2 RTECS: ZH 4810000	zinc oxide ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	3.8-4.2%
CAS: 1317-65-3	Calcium Carbonate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	3.8-4.2%
CAS: 7704-34-9	sulfur ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320; Combustible Dust	1.8-2.2%

* 4 First-aid measures

· **Description of first aid measures**

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Not a normal route of entry.

In case of unconsciousness, place patient securely on side position for transportation.

· **After skin contact:**

Wash with soap and water.

Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

(Contd. on page 4)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/05/2015

Reviewed on 02/05/2015

Trade name: Rubber Patch

- **After swallowing:** Not anticipated under normal use.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Use the appropriate tools to collect the material and dispose of it in an approved waste disposal container.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Open and handle receptacle with care.
- **Information about protection against explosions and fires:** Keep protective respiratory device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

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

(Contd. on page 5)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/05/2015

Reviewed on 02/05/2015

Trade name: Rubber Patch

· **Control parameters**

· **Components with occupational exposure limits:**

9006-04-6 Natural rubber latex	
TLV	Long-term value: 0.0001* mg/m ³ Skin; DSEN, RSEN;* inh. fraction
106-99-0 1,3-butadiene buta-1,3-diene	
PEL	Short-term value: 11 mg/m ³ , 5 ppm Long-term value: 2.21 mg/m ³ , 1 ppm see 29 CFR 1910.1051; 29 CFR 1910.19(1)
REL	See Pocket Guide App. A
TLV	Long-term value: 4.4 mg/m ³ , 2 ppm
1333-86-4 Carbon black	
PEL	Long-term value: 3.5 mg/m ³
REL	Long-term value: 3.5* mg/m ³ *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV	Long-term value: 3* mg/m ³ *inhalable fraction
10279-57-9 White Carbon Black	
ACGIH TLV	Long-term value: 10 mg/m ³
1332-58-7 Argil	
PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 2* mg/m ³ E; as respirable fraction
471-34-1 Calcium Carbonate	
PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	TLV withdrawn
149-30-4 benzothiazole-2-thiol	
TWA	Long-term value: 5 mg/m ³ Skin - Dermal sensitization notation
WEEL	Long-term value: 5 mg/m ³ Skin; DSEN
1314-13-2 zinc oxide	
PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction and fume

(Contd. on page 6)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/05/2015

Reviewed on 02/05/2015

Trade name: Rubber Patch

REL	Short-term value: 10** mg/m ³ Long-term value: 5* 5** mg/m ³ Ceiling limit value: 15* mg/m ³ *dust only **fume
TLV	Short-term value: 10* mg/m ³ Long-term value: 2* mg/m ³ *as respirable fraction
1317-65-3 Calcium Carbonate	
NIOSH	Short-term value: 5 mg/m ³ Long-term value: 10 mg/m ³
NIOSH TWA	Short-term value: 5 mg/m ³ Long-term value: 10 mg/m ³ respirable dust
OSHA	Short-term value: 5 mg/m ³ Long-term value: 15 mg/m ³
OSHA TWA	Short-term value: 5 mg/m ³ Long-term value: 15 mg/m ³ respirable fraction
Ingredients with biological limit values:	
106-99-0 1,3-butadiene buta-1,3-diene	
BEI	2.5 mg/L urine end of shift 1,2-Dihydroxy-4-(N-acetylcysteiny)-butane (background, semi-quantitative) 2.5 pmol/g hemoglobin blood not critical Mixture of N-1 and N-2-(hydroxybutenyl)valine hemoglobin adducts (semi-quantitative)

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

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Not required.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

(Contd. on page 7)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/05/2015

Reviewed on 02/05/2015

Trade name: Rubber Patch

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**

Safety glasses
Tightly sealed goggles

* 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Rubber Patch

Color: Black

· **Odor:** Like Rubber

· **Odor threshold:** Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

Melting point/Melting range: Not determined.

Boiling point/Boiling range: -4 °C (25 °F)

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not determined.

· **Ignition temperature:** 415 °C (779 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: 1.1 Vol %

Upper: 12.5 Vol %

· **Vapor pressure @ 20 °C (68 °F):** 3300 hPa (2475 mm Hg)

· **Density:**

Relative density Not determined.

Vapour density Not applicable.

Evaporation rate Not applicable.

· **Solubility in / Miscibility with**

Water: Insoluble.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

Dynamic: Not applicable.

Kinematic: Not applicable.

(Contd. on page 8)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/05/2015

Reviewed on 02/05/2015

Trade name: Rubber Patch

- **Solvent content:**
- Organic solvents:** 0.0 %
- **Other information** No further relevant information available.

* 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**
Carbon dioxide and carbon monoxide may form when heated to decomposition
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

* 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

106-99-0 1,3-butadiene buta-1,3-diene

Oral	LD50	5480 mg/kg (rat)
Inhalative	LC50/4 h	285 mg/l (rat)

1333-86-4 Carbon black

Oral	LD50	10000 mg/kg (rat)
------	------	-------------------

10279-57-9 White Carbon Black

Oral	LD50	>10000 mg/kg (rat)
Dermal	LD50	>5.000 mg/kg (rat)

149-30-4 benzothiazole-2-thiol

Oral	LD50	3800 mg/kg (rat)
Dermal	LD50	>7940 mg/kg (rabbit)
Inhalative	LC50/96 hours	0.73 mg/l (Trout)

1314-13-2 zinc oxide

Oral	LD50	> 5000 mg/kg (rat)
------	------	--------------------

- **Primary irritant effect:**
- **on the skin:**
Irritant to skin and mucous membranes.
May cause an allergic skin reaction.
- **on the eye:**
Irritating effect.
Causes serious eye irritation.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
Carcinogenic.
The product can cause inheritable damage.

(Contd. on page 9)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/05/2015

Reviewed on 02/05/2015

Trade name: Rubber Patch

- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**
 - Group 1 - Carcinogenic to humans
 - Group 2A - Probably carcinogenic to humans
 - Group 2B - Possibly carcinogenic to humans
 - Group 3 - Not classifiable as to its carcinogenicity to humans
 - Group 4 - Probably not carcinogenic to humans

106-99-0	1,3-butadiene buta-1,3-diene	1
1333-86-4	Carbon black	2B
· NTP (National Toxicology Program)		
106-99-0	1,3-butadiene buta-1,3-diene	K
· OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients are listed.		

* **12 Ecological information**

- **Toxicity**
- **Aquatic toxicity:**
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

149-30-4 benzothiazole-2-thiol		
EC50	0.5 mg/l (Green algae)	
	0.71 mg/l (daphnia)	

- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

* **13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:**
Observe all federal, state and local environmental regulations when disposing of this material.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

(Contd. on page 10)

Safety Data Sheet (SDS)



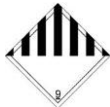

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/05/2015

Reviewed on 02/05/2015

Trade name: Rubber Patch

* 14 Transport information

· UN-Number	Non-Regulated Material
· DOT	UN3077
· ADR, IMDG, IATA	
· UN proper shipping name	
· DOT	Non-Regulated Material
· ADR	UN3077 Environmentally hazardous substances, solid, n.o.s. (benzothiazole-2-thiol, zinc oxide)
· IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (benzothiazole-2-thiol, zinc oxide), MARINE POLLUTANT
· IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (benzothiazole-2-thiol, zinc oxide)
· Transport hazard class(es)	
· DOT	
· Class	Non-Regulated Material
· ADR	
	
	
· Class	9 (M7) Miscellaneous dangerous substances and articles
· Label	9
· IMDG, IATA	
	
	
· Class	9 Miscellaneous dangerous substances and articles
· Label	9
· Packing group	
· DOT	Non-Regulated Material
· ADR, IMDG, IATA	III
· Environmental hazards:	Product contains environmentally hazardous substances: benzothiazole-2-thiol, zinc oxide
· Marine pollutant:	Yes
· Special marking (ADR):	Symbol (fish and tree)
· Special marking (IATA):	Symbol (fish and tree)
· Special precautions for user	Warning: Miscellaneous dangerous substances and articles
· Danger code (Kemler):	90
· EMS Number:	F-A,S-F
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

(Contd. on page 11)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/05/2015

Reviewed on 02/05/2015

Trade name: Rubber Patch**· Transport/Additional information:****· ADR****· Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 g

Maximum net quantity per outer packaging: 1000 g

· IMDG**· Limited quantities (LQ)****· Excepted quantities (EQ)**

5 kg

Code: E1

Maximum net quantity per inner packaging: 30 g

Maximum net quantity per outer packaging: 1000 g

· UN "Model Regulation":UN3077, Environmentally hazardous substances, solid, n.o.s.
(benzothiazole-2-thiol, zinc oxide), 9, III*** 15 Regulatory information****· Safety, health and environmental regulations/legislation specific for the substance or mixture****· Sara****· Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

106-99-0 1,3-butadiene buta-1,3-diene

149-30-4 benzothiazole-2-thiol

1314-13-2 zinc oxide

· TSCA (Toxic Substances Control Act):

106-99-0 1,3-butadiene buta-1,3-diene

1333-86-4 Carbon black

1332-58-7 Argil

471-34-1 Calcium Carbonate

149-30-4 benzothiazole-2-thiol

1314-13-2 zinc oxide

1317-65-3 Calcium Carbonate

7704-34-9 sulfur

· Proposition 65**· Chemicals known to cause cancer:**

106-99-0 1,3-butadiene buta-1,3-diene

1333-86-4 Carbon black

· Chemicals known to cause reproductive toxicity for females:

106-99-0 1,3-butadiene buta-1,3-diene

· Chemicals known to cause reproductive toxicity for males:

106-99-0 1,3-butadiene buta-1,3-diene

· Chemicals known to cause developmental toxicity:

106-99-0 1,3-butadiene buta-1,3-diene

(Contd. on page 12)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/05/2015

Reviewed on 02/05/2015

Trade name: Rubber Patch

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

106-99-0	1,3-butadiene buta-1,3-diene	CaH
1314-13-2	zinc oxide	D, I, II

· **TLV (Threshold Limit Value established by ACGIH)**

106-99-0	1,3-butadiene buta-1,3-diene	A2
1333-86-4	Carbon black	A4
1332-58-7	Argil	2 mg/m3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

106-99-0	1,3-butadiene buta-1,3-diene
1333-86-4	Carbon black

· **GHS label elements**

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

· **Hazard pictograms**



GHS07 GHS08 GHS09

· **Signal word** Danger

· **Hazard-determining components of labeling:**

1,3-butadiene buta-1,3-diene
benzothiazole-2-thiol
Carbon black
White Carbon Black

· **Hazard statements**

Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause genetic defects.
May cause cancer.
May cause respiratory irritation.
May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.
Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

Do not breathe dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves.
Wear eye protection / face protection.
Avoid release to the environment.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Specific treatment (see on this label).
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

(Contd. on page 13)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/05/2015

Reviewed on 02/05/2015

Trade name: Rubber Patch

Call a poison center/doctor if you feel unwell.
 Wash contaminated clothing before reuse.
 IF exposed or concerned: Get medical advice/attention.
 If skin irritation or rash occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 Get medical advice/attention if you feel unwell.
 If on skin: Wash with plenty of water.
 Collect spillage.
 Take off contaminated clothing and wash it before reuse.
 Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

• National regulations:

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

• State Right to Know

CAS: 9006-04-6	Natural rubber latex
CAS: 106-99-0 RTECS: EI 9275000	1,3-butadiene buta-1,3-diene ⚠ Flam. Gas 1, H220; ⚠ Muta. 1B, H340; Carc. 1A, H350; Press. Gas, H280
CAS: 1333-86-4 RTECS: FF 5150100	Carbon black ⚠ Carc. 2, H351; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335
CAS: 10279-57-9	White Carbon Black ⚠ STOT RE 2, H373; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335
CAS: 1332-58-7	Argil
CAS: 471-34-1 RTECS: EV 9580000	Calcium Carbonate ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320

All ingredients are listed.

• Information about limitation of use:

• Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

• Date of preparation / last revision 02/05/2015 / 4

• Abbreviations and acronyms:

ADR: Accord européen sur le 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 Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent

(Contd. on page 14)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/05/2015

Reviewed on 02/05/2015

Trade name: Rubber Patch

Flam. Gas 1: Flammable gases, Hazard Category 1
Press. Gas: Gases under pressure: Compressed gas
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Muta. 1B: Germ cell mutagenicity, Hazard Category 1B
Carc. 1A: Carcinogenicity, Hazard Category 1A
Carc. 2: Carcinogenicity, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

*** Data compared to the previous version altered.**

SDS created by MSDS Authoring Services www.msdsauthoring.com (877) 204-9106

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/09/2015

Reviewed on 02/09/2015

* 1 Identification

- **Product identifier** 15161, 15163, 15165, 15184, 15206, 15207, 15280, 15281
- **Trade name: Tire Repair String**
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Plews Edelmänn, Inc.
1550 Franklin Grove Road
Dixon, IL 61021
- **Emergency telephone number:**
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

* 2 Hazard(s) identification

- **Classification of the substance or mixture**
The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.
- **Label elements**
- **GHS label elements** Non-Regulated Material
- **Hazard pictograms** Non-Regulated Material
- **Signal word** Non-Regulated Material
- **Hazard statements** Non-Regulated Material
- **Unknown acute toxicity:**
100 percent of the mixture consists of ingredient(s) of unknown toxicity.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

- **Other hazards** None known

* 3 Composition/information on ingredients

32131-17-2	Hexamethylenediamine	60-90%
	Nitrile rubber (acrylonitrile butadiene copolymer)	5-10%

- **Chemical characterization: Mixtures**
- **Description:** Mixture: consisting of non-regulated material.
- **Dangerous Components:** Non-Regulated Material

(Contd. on page 2)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/09/2015

Reviewed on 02/09/2015

Trade name: Tire Repair String

(Contd. of page 1)

* 4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes.
Seek medical treatment.
- **After swallowing:**
Seek immediate medical advice.
Do not induce vomiting without medical advice.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

* 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water
- **Special hazards arising from the substance or mixture**
May produce incomplete combustion products (CO, CO₂).
- **Advice for firefighters**
- **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Use the appropriate tools to collect the material and dispose of it in an approved waste disposal container.
Do not flush with water or aqueous cleansing agents
Dispose of the collected material according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

(Contd. on page 3)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/09/2015

Reviewed on 02/09/2015

Trade name: Tire Repair String

(Contd. of page 2)

- **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Components with occupational exposure limits:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves** Not required.
- **Penetration time of glove material** Not applicable.
- **Eye protection:** Not required.

* 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Solid
Color:	Black
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not applicable.
- **Change in condition**

Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Not determined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not determined.
- **Ignition temperature:** 400 °C (752 °F)
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**

Lower:	1.1 Vol %
Upper:	12.5 Vol %
- **Vapor pressure @ 20 °C (68 °F):** 3300 hPa (2475 mm Hg)
- **Density:**

Relative density	Not determined.
Vapour density	Not applicable.

(Contd. on page 4)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/09/2015

Reviewed on 02/09/2015

Trade name: Tire Repair String

(Contd. of page 3)

- | | |
|---|--|
| Evaporation rate | Not applicable. |
| · Solubility in / Miscibility with Water: | Insoluble. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| Dynamic: | Not applicable. |
| Kinematic: | Not applicable. |
| · Solvent content: | |
| Organic solvents: | 0.0 % |
| Solids content: | 100.0 % |
| · Other information | No further relevant information available. |

*** 10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**
Carbon dioxide and carbon monoxide may form when heated to decomposition
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

*** 11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**
None of the ingredients are listed.

Group 1 - Carcinogenic to humans
 Group 2A - Probably carcinogenic to humans
 Group 2B - Possibly carcinogenic to humans
 Group 3 - Not classifiable as to its carcinogenicity to humans
 Group 4 - Probably not carcinogenic to humans

· **NTP (National Toxicology Program)**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients are listed.

(Contd. on page 5)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/09/2015

Reviewed on 02/09/2015

Trade name: Tire Repair String

(Contd. of page 4)

* 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

* 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Observe all federal, state and local environmental regulations when disposing of this material.
Smaller quantities can be disposed of with household waste.
Recycle or dispose with household trash.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

* 14 Transport information

- | | |
|--|------------------------|
| · UN-Number | |
| · DOT, ADR, ADN, IMDG, IATA | Non-Regulated Material |
| · UN proper shipping name | |
| · DOT, ADR, ADN, IMDG, IATA | Non-Regulated Material |
| · Transport hazard class(es) | |
| · DOT, ADR, ADN, IMDG, IATA | |
| · Class | Non-Regulated Material |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | Non-Regulated Material |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

* 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

(Contd. on page 6)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/09/2015

Reviewed on 02/09/2015

Trade name: Tire Repair String

(Contd. of page 5)

· Section 313 (Specific toxic chemical listings):		
None of the ingredients are listed.		
· TSCA (Toxic Substances Control Act):		
32131-17-2	Hexamethylenediamine	
· 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.		
· Carcinogenic categories		
· EPA (Environmental Protection Agency)		
None of the ingredients are listed.		
· TLV (Threshold Limit Value established by ACGIH)		
None of the ingredients are listed.		
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
None of the ingredients are listed.		
· GHS label elements Non-Regulated Material		
· Hazard pictograms Non-Regulated Material		
· Signal word Non-Regulated Material		
· Hazard statements Non-Regulated Material		
· National regulations:		
The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.		
· State Right to Know		
32131-17-2	Hexamethylenediamine	60-90%
	Nitrile rubber (acrylonitrile butadiene copolymer)	5-10%
All ingredients are listed.		
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.		

16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of preparation / last revision** 02/09/2015 / 2

· **Abbreviations and acronyms:**

ADR: Accord européen sur le 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

(Contd. on page 7)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 02/09/2015

Reviewed on 02/09/2015

Trade name: Tire Repair String

(Contd. of page 6)

ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)

· *** Data compared to the previous version altered.**

SDS created by MSDS Authoring Services www.msdsauthoring.com (877) 204-9106