



Automotive
SAFETY DATA SHEET
TYRE REPAIR

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name TYRE REPAIR
Product number A0413
Internal identification A0413

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

Identified uses Sealer.

1.3. Details of the supplier of the safety data sheet

Supplier www.ringautomotive.co.uk
Ring Automotive Limited
Volvox House
Gelderd Road
Leeds
LS12 6NA

+44(0)113 213 200
+44(0)113 231 0266
autosales@ringautomotive.co.uk

1.4. Emergency telephone number**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification****Physical hazards**

Aerosol 1 - H222, H229

Health hazards

Elicitation - EUH208

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

F+;R12.

2.2. Label elements**Pictogram****Signal word**

Danger

Hazard statements

TYRE REPAIR

EUH208 Contains METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6. May produce an allergic reaction.

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P271 Use only outdoors or in a well-ventilated area.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P102 Keep out of reach of children.

P260 Do not breathe vapour/spray.

P501 Dispose of contents/container in accordance with national regulations.

Contains

HYDROCARBON PROPELLANT

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| | | |
|---|--|--------|
| HYDROCARBON PROPELLANT | | 30-60% |
| CAS number: 68476-85-7 EC number: 270-704-2 | | |
| Classification | Classification (67/548/EEC or 1999/45/EC) | |
| Flam. Gas 1 - H220 | F+;R12. | |
| Press. Gas, Liquefied - H280 | | |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact

Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact

Rinse immediately with plenty of water. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

May cause discomfort if swallowed.

Skin contact

May cause an allergic skin reaction.

Eye contact

May cause discomfort.

TYRE REPAIR

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Extremely flammable aerosol. Pressurised container: may burst if heated

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Protective actions during firefighting

Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Eliminate all sources of ignition. Provide adequate ventilation. Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes. Do not breathe vapour/spray. Do not expose to temperatures exceeding 50°C/122°F. Provide adequate ventilation. Keep container in a well-ventilated place. Do not pierce or burn, even after use. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store at temperatures between 4°C and 40°C.

Storage class

Flammable compressed gas storage.

7.3. Specific end use(s)

Specific end use(s)

TYRE REPAIR

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

HYDROCARBON PROPELLANT

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m3

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m3

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Tight-fitting safety glasses.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC).

Hygiene measures

Wash hands thoroughly after handling.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Aerosol.

Solubility(ies)

Dispersible in water.

9.2. Other information

Other information

Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Not determined.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid

TYRE REPAIR

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

May cause discomfort if swallowed.

Skin contact

May cause sensitisation or allergic reactions in sensitive individuals.

Eye contact

May cause discomfort.

Toxicological information on ingredients.

HYDROCARBON PROPELLANT

Toxicological effects

No information available.

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 vapours mg/l)

20.01

Species

Rat

ATE inhalation (vapours mg/l)

20.01

Reproductive toxicity

Reproductive toxicity - development

No information available.

METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

53.0

Species

Rat

Notes (oral LD50)

Estimated value.

ATE oral (mg/kg)

53.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l)

3.0

Skin sensitisation

Guinea pig maximization test (GPMT) - Guinea pig: Sensitising.

SECTION 12: Ecological Information

TYRE REPAIR

Ecotoxicity

The product is not expected to be hazardous to the environment.

12.1. Toxicity

Acute toxicity - fish

Not determined.

Ecological information on ingredients.

HYDROCARBON PROPELLANT

Acute toxicity - fish

Not determined.

METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

Acute aquatic toxicity

LE(C)₅₀

$0.01 < L(E)C_{50} \leq 0.1$

M factor (Acute)

10

Acute toxicity - fish

Estimated value. LC₅₀, 96 hours: 13 mg/l, Fish

Chronic aquatic toxicity

NOEC

$0.001 < NOEC \leq 0.01$

Degradability

Non-rapidly degradable

M factor (Chronic)

10

12.2. Persistence and degradability

Persistence and degradability

The product is expected to be biodegradable.

12.3. Bioaccumulative potential

The product is not bioaccumulating.

12.4. Mobility in soil

Mobility

The product has poor water-solubility.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

| | |
|------------------|------|
| UN No. (ADR/RID) | 1950 |
| UN No. (IMDG) | 1950 |

TYRE REPAIR

UN No. (ICAO) 1950

UN No. (ADN) 1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS

Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

Proper shipping name (ADN) AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class 2.1

IMDG class 2.1

ICAO class/division 2.1

ADN class 2.1

Transport labels**14.4. Packing group**

ADR/RID packing group 5F

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Tunnel restriction code (D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

Commission Regulation (EU) No 453/2010 of 20 May 2010. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance

Workplace Exposure Limits EH40.

15.2. Chemical safety assessment**SECTION 16: Other information**

Revision date 13/01/2015

Revision 4.0

Supersedes date 12/03/2012

Risk phrases in full

TYRE REPAIR

R12 Extremely flammable.

Hazard statements in full

EUH208 Contains METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6. May produce an allergic reaction.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.