

SAFETY DATA SHEET

Revision: 1.0 Date: 08.01.2014


ACCORDING TO EC-REGULATIONS 1907/2006 (REACH),
1272/2008 (CLP) & 453/2010



1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
Product Name GRIP / TIRE POWER
Chemical Name Mixture
CAS No. Mixture
EINECS No. Mixture
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified use(s) Rubber compound treatment; Rubber compound softener
Uses advised against None known.
- 1.3 Details of the supplier of the safety data sheet**
Company Identification G-Max Chemitech
Tate House
Toll Bar Road
Islip
Northants
NN14 3LH
U.K.
Telephone +44(0)1832 731555
Fax +44(0)1832 731666
E-Mail (competent person) sales@gmaxresearch.com
- 1.4 Emergency telephone number**
Emergency Phone No. +44(0)1832 731555
Mon-Fri 09:00- 17:00 (GMT)
English spoken.

2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
- 2.1.1 Regulation (EC) No. 1272/2008 (CLP).**
Asp. Tox. 1; May be fatal if swallowed and enters airways.
Specific target organ toxicity — single exposure 3 (Drowsiness)
Carc. 2: Suspected of causing cancer.
Aquatic Chronic 2; Toxic to aquatic life with long lasting effects.
- 2.1.2 Directive 67/548/EEC & Directive 1999/45/EC**
Xn; R65: Harmful: may cause lung damage if swallowed.
R67: Vapours may cause drowsiness and dizziness.
Carc. Cat. 3; R40: Limited evidence of a carcinogenic effect.
N; R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 2.2 Label elements**
Product Name GRIP / TIRE POWER
Contains: Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclic, <2% aromatics
Hydrocarbons, C10, aromatics, >1% naphthalene
- Hazard pictogram(s)

- Signal word(s) DANGER
- Hazard statement(s)
H304: May be fatal if swallowed and enters airways.
H336: May cause drowsiness or dizziness.
H351: Suspected of causing cancer.
H411: Toxic to aquatic life with long lasting effects.

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Supplemental information

EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary statement(s)

P201: Obtain special instructions before use.
P261: Avoid breathing vapours.
P281: Use personal protective equipment as required.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331: Do NOT induce vomiting.
P273: Avoid release to the environment.

2.3 Other hazards

None known.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances Substances in preparations / mixtures

3.2 Mixtures

EC Classification Regulation (EC) No. 1272/2008 (CLP).

Chemical identity of the substance	%W/W	Identification Number(s)	REACH Registration No.	Hazard statement(s)
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclic, <2% aromatics	55-85	CAS No. None assigned. EC No. 926-141-6	01-2119456620-43-xxxx	Asp. Tox. 1; H304 EUH066
Hydrocarbons, C10, aromatics, >1% naphthalene	10-40	CAS No. None assigned. EC No. 919-284-0	01-2119463588-24-xxxx	Asp. Tox. 1; H304 STOT SE 3; H336 Carc. 2; H351 Aquatic Chronic 2; H411
Non-classified ingredients	<22	-	None assigned.	Not classified

Directive 67/548/EEC & Directive 1999/45/EC

Chemical identity of the substance	%W/W	Identification Number(s)	REACH Registration No.	EC Classification and Risk Phrases
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclic, <2% aromatics	55-100	CAS No. None assigned. EC No. 926-141-6	01-2119456620-43-xxxx	Xn; R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking.
Hydrocarbons, C10, aromatics, >1% naphthalene	10-40	CAS No. None assigned. EC No. 919-284-0	01-2119463588-24-xxxx	Xn; R65: Harmful: may cause lung damage if swallowed. Carc. Cat. 3; R40: Limited evidence of a carcinogenic effect. R67: Vapours may cause drowsiness and dizziness. N; R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Non-classified ingredients	<22	-	None assigned.	Not classified

General Comment Regarding All Tables: Benzene may be present but always below 0.1%

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4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Breathing vapors can result in headache, dizziness, narcosis and irritation of mucous membranes. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Rinse mouth. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs.

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Suspected of causing cancer.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to a physician: Aspiration into the lungs may cause chemical pneumonitis, which can be fatal. Treat symptomatically. There is no specific antidote.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

As appropriate for surrounding fire. Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature. Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Unsuitable Extinguishing Media

Do not direct a solid stream of water or foam into hot, burning pools; this may cause spattering and increase fire intensity.

5.2 Special hazards arising from the substance or mixture

The vapour is heavier than air and spreads along ground. Do not allow to enter drains, sewers or watercourses. Classified as a Marine Pollutant.

5.3 Advice for fire-fighters

Evacuate the area and keep personnel upwind. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Avoid run off to waterways and sewers.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep upwind. No smoking. Do not breathe fumes/vapour. Wear protective gloves/protective clothing/eye protection/face protection. Wash contaminated clothing before reuse.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses. Classified as a Marine Pollutant. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Large spillages: Contain and adsorb large spillages onto an inert, non flammable adsorbent carrier. Clean up contamination/spills as soon as they occur. Collect as much as possible in a suitable clean container, preferably for re-use, otherwise for disposal. Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor. Dispose of this material and its container as hazardous waste.

Small spillages: Allow small spillages to evaporate provided there is adequate ventilation.

6.4 Reference to other sections

See Section: 8, 13

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7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Avoid skin contact. Avoid breathing vapours. Avoid contact with heat and ignition sources. All parts of the plant and equipment should be electrically bonded together and connected to earth. Electrical continuity should be checked at regular intervals. Antistatic clothing and footwear should be used. Ensure adequate ventilation.
- 7.2 Conditions for safe storage, including any incompatibilities**
Bund storage facilities to prevent soil and water pollution in the event of spillage. Store in a well-ventilated place. Keep container tightly closed. Keep away from static electricity. Ground/bond container and receiving equipment.
Storage Temperature Ambient temperatures.
Storage Life Stable under normal conditions.
Suitable materials Carbon Steel; Stainless Steel; Polyester; Teflon; Polyvinyl Alcohol (PVA)
Incompatible materials Butyl rubber; Natural rubber; Ethylene-propylene-diene monomer (EPDM); Polystyrene; Polyethylene; Polypropylene; Polyacrylonitrile.
- 7.3 Specific end use(s)** Rubber compound treatment; Rubber compound softener.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
8.1.1 Occupational exposure limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Hydrocarbon Mixtures	None assigned.		1200	-	-	WEL

Source: WEL: Workplace Exposure Limit (UK HSE EH40).

- 8.1.2 Biological limit value** Not established.
- 8.1.3 PNECs and DNELs**

DNEL (Hydrocarbons, C10, aromatics, >1% naphthalene)	Oral	Inhalation	Dermal
Industry - Long Term - Systemic effects	-	151 mg/m ³	12.5 mg/kg bw/day
Consumer - Long Term - Systemic effects	7.5 mg/kg bw/day	32 mg/m ³	7.5 mg/kg bw/day

- 8.2 Exposure controls**
8.2.1 Appropriate engineering controls

Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Local exhaust recommended.

- 8.2.2 Individual protection measures, such as personal protective equipment (PPE)**

Wear respiratory protection. In case of insufficient ventilation, wear suitable respiratory equipment. Wash contaminated clothing before reuse. Avoid contact with skin and eyes.

Eye/face protection



Eye protection with side protection (EN 166).

Skin protection



Hand protection: Wear impervious gloves (EN374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer. Recommended: Nitrile rubber. Check protective gloves before each use concerning their normal condition.
Body protection: Apron or other light protective clothing, plastic or rubber gloves and antistatic boots.

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Respiratory protection



Thermal hazards

8.2.3 Environmental Exposure Controls

Local exhaust recommended. In case of inadequate ventilation wear respiratory protection. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. A suitable mask with filter type A (EN14387 or EN405) may be appropriate.
Recommended: Full-/Half-/quarter-face masks (DIN EN 136/140) / Filtering Half-face mask (DIN EN 149)
Not applicable.
Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	Substances in preparations / mixtures
Appearance	Blue Liquid
Odour	Aromatic floral notes.
Odour Threshold	Not available.
pH	Not established.
Melting Point/Freezing Point	-45°C (Hydrocarbons, C11-14)
Initial boiling point and boiling range	203 - 238°C (Hydrocarbons, C11-14)
Flash point	84°C (Mixture, closed cup method)
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Gas: 0.6 – 7% (Hydrocarbons, C11-14)
Vapour pressure	0.02 kPa @ 20 °C (Hydrocarbons, C11-14)
Vapour density	Not available.
Relative density	0.81 g/cm ³ @ 15 °C (Hydrocarbons, C11-14)
Solubility(ies)	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	>200°C @ 101.21 kPa (Hydrocarbons, C11-14)
Decomposition Temperature	Not available.
Viscosity	2.4 mm ² /s (static) @ 20 °C (Hydrocarbons, C11-14)
Explosive properties	Not explosive. (Hydrocarbons, C11-14)
Oxidising properties	Not available.
9.2 Other information	Volatile Organic Compound Content: >75%

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Hazardous polymerisation will not occur.
10.4 Conditions to avoid	Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Take precautionary measures against static discharge. Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature.
10.5 Incompatible materials	Butyl rubber; Natural rubber; Ethylene-propylene-diene monomer (EPDM); Polystyrene; Polyethylene; Polypropylene; Polyacrylonitrile. Strong oxidising agents.
10.6 Hazardous Decomposition Product(s)	Decomposes in a fire giving off toxic fumes: Carbon monoxide. Carbon dioxide.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects (Substances in preparations / mixtures)	
Acute toxicity	
Ingestion	Harmful: may cause lung damage if swallowed. Aspiration into the lungs may cause chemical pneumonitis, which can be fatal.
Inhalation	Aspiration of droplets may cause pulmonary oedema. May cause drowsiness or dizziness. The vapour has anaesthetic properties and when inhaled at high concentrations, it may cause respiratory irritation, headache, fatigue, dizziness and incoordination. Affects central nervous system.
Skin Contact	Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis.

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skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Not classified.
Respiratory or skin sensitization	Not classified.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	Carc. 2: Suspected of causing cancer. (Hydrocarbons, C10, aromatics, >1% naphthalene)
Reproductive toxicity	Not classified. No evidence of reproductive effects.
STOT - single exposure	STOT SE 3; May cause drowsiness or dizziness.
STOT - repeated exposure	Not classified.
Aspiration hazard	Asp. Tox. 1; May be fatal if swallowed and enters airways.
11.2 Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Aquatic Chronic 2; Classified as a Marine Pollutant. Estimated LC50 1-10mg/L.
12.2 Persistence and degradability	Readily biodegradable (according to OECD criteria).
12.3 Bioaccumulative potential	The product has low potential for bioaccumulation.
12.4 Mobility in soil	The product is predicted to have high mobility in soil.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	This material and its container must be disposed of as hazardous waste. Dispose of empty containers and wastes safely. Observe Local Regulations. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.
13.2 Additional Information	Do not reuse empty containers without commercial cleaning or reconditioning. Decontaminate empty containers before recycling. Do not apply pressure to empty containers.

14. SECTION 14: TRANSPORT INFORMATION

	ADR/RID / IMDG / IATA
14.1 UN number	UN 3082
14.2 Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (C10-14 Alkyl Benzenes)
14.3 Transport hazard class(es)	9
14.4 Packing Group	III
14.5 Environmental hazards	Classified as a Marine Pollutant. / Environmentally hazardous substance
14.6 Special precautions for user	See Section: 2. Emergency Action Code: 3Z
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8 Additional information	None.

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1 EU regulations	Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline).
Authorisations and/or restrictions on use	None.
15.1.2 National regulations	None known.

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15.2 Chemical Safety Assessment

This safety data sheet contains an ES in an integrated form. Contents of the exposure scenario have been included into sections 1.2, 8, 9, 12, 15 and 16 of this safety data sheet.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

References: Existing ECHA registration(s) for Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclic, <2% aromatics (EC# 203-544-9) and Hydrocarbons, C10, aromatics, >1% naphthalene.

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP).	Classification Procedure
Asp. Tox. 1; H304	Threshold Calculation
STOT SE 3; H336	Threshold Calculation
Carc. 2: H351	Threshold Calculation
Aquatic Chronic 2; H411	Summation Calculation

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvB	vPvT: very Persistent and very Toxic
OECD	Organisation for Economic Cooperation and Development

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Annex to the extended Safety Data Sheet (eSDS)

No information available.