



Safety Data Sheet

according to Regulation (EU) No. 1907/2006

890.000 GP-Aktivator - CA-Accelerator

Print date: 30.05.2010

Product code: 890

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1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

890.000 GP-Aktivator - CA-Accelerator

Use of the substance/preparation

CA-Aktivator

Company/undertaking identification

Company name:	Renia GmbH.	
	Chemische Fabrik	
Street:	Ostmerheimer Strasse 516	
Place:	DE-51109 Köln	
Telephone:	+49-221-6307990	Telefax: +49-221-630799-50
e-mail:	natshoe@nationalshoe.com	
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Responsible Department:	National ShoeSpecialities Ltd.	
	3015 Kennedy Road, Units 16-18	
	CDN-Toronto Ont. M1V 1E7	

2. Hazards identification

Classification

Indications of danger : Extremely flammable, Irritant, Dangerous for the environment

R-phrases:

Extremely flammable.

Irritating to skin.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Vapours may cause drowsiness and dizziness.

GHS:

Hazard categories:

Flammable aerosol: Flam. Aerosol 1

Skin corrosion/irritation: Skin Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Extremely flammable aerosol.

Causes skin irritation.

May cause drowsiness or dizziness.

Toxic to aquatic life with long lasting effects.

Explication of special hazards for human health and environment

Consider German TRG 300 (pressurised gas containers).

3. Composition/information on ingredients

Chemical characterization (Mixture)

Preparation Contains the following organic solvents:, extremely flammable liquefied gas



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Hazardous components

EC-No.	Chemical name	Quantity
CAS-No.	Classification	
REACH-No.	GHS classification	
203-448-7	butane	35-45 %
106-97-8	F+ R12 Flam. Gas 1; H220	
265-151-9	Low boiling point hydrogen treated naphtha, Naphtha (petroleum), hydrotreated light	25-35 %
64742-49-0	F, Xn, Xi, N R11-38-65-67-51-53 Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225-H304-H315-H336-H411	
200-827-9	propane	15-25 %
74-98-6	F+ R12 Flam. Gas 1; H220	
202-805-4	N,N-dimethyl-p-toluidine	0,5-1 %
99-97-8	T R23/24/25-33-52-53 Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT RE 2, Aquatic Chronic 3; H331 H311 H301 H373 ** H412	

Full text of R- and H-phrases: see section 16.

4. First aid measures

General information

Victim to lie down in the recovery position, cover and keep him warm.

After inhalation

S63 - In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of shortness of breath, give oxygen. If symptoms persist, call a physician. In the case of inhalation of aerosol/mist consult a physician if necessary.

After contact with skin

In case of shortness of breath, give oxygen. If symptoms persist, call a physician.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

After ingestion

Aspiration may cause pulmonary oedema and pneumonitis. Do not induce vomiting. Call a physician immediately.

Advice to doctor

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

carbon dioxide (CO₂) S43 - In case of fire, use sand, dry chemical or alcohol-resistant foam.

Extinguishing media which must not be used for safety reasons

high volume water jet

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

In the event of fire the following can be released: carbon dioxide (CO₂) Carbon monoxide



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Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Additional information

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. S41 - In case of fire and/or explosion do not breathe fumes. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

Personal precautions

Keep people away from and upwind of spill/leak. S36/37 - Wear suitable protective clothing and gloves. Avoid contact with skin and eyes.

Environmental precautions

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

Additional information

None known.

7. Handling and storage

Handling

Advice on safe handling

S51 - Use only in well-ventilated areas. Do not inhale aerosol. Keep away from heat and sources of ignition. Do not smoke. Take measures to prevent the build up of electrostatic charge.

Advice on protection against fire and explosion

The pressure in sealed containers can increase under the influence of heat. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C.

Storage

Requirements for storage rooms and vessels

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Consider German TRG 300 (pressurised gas containers).

Advice on storage compatibility

S13 - Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Keep at temperatures between 10 and 40°C.

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

CAS-No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
74-98-6	Propane (OLD)				TWA (8 h)	OES
					STEL (15 min)	OES



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Additional advice on limit values

The classification corresponds to the current EC listing, but is enhanced by specialised literature data and the Company's own information.

Exposure controls

Occupational exposure controls

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Protective and hygiene measures

When using do not eat or drink. When using do not smoke. Wash hands before breaks and immediately after handling the product. Use protective skin cream before handling the product. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment. (gas filter type A2)

Hand protection

solvent-resistant gloves: nitrile rubber,
butyl-rubber, fluoroc rubber
Test suitability of gloves before use.

Eye protection

tightly fitting safety goggles

Skin protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

9. Physical and chemical properties

General information

Physical state: aerosol
Colour: colourless
Odour: mild

Important health, safety and environmental information

	Test method
pH-Value:	not applicable
Changes in the physical state	
Boiling point:	< -20 °C Compressed gas
Flash point:	< -20 °C
Flammability	
Gas:	235 °C °C
Lower explosion limits:	1,5 vol. %
Upper explosion limits:	10,5 vol. %
Vapour pressure:	42 hPa
(at 20 °C)	
Vapour pressure:	75 hPa
(at 50 °C)	
Density (at 20 °C):	0,6 g/cm ³
Water solubility:	insoluble
Solvent content:	35 %



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10. Stability and reactivity

Conditions to avoid

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C.
Consider German TRG 300 (pressurised gas containers).

Materials to avoid

None known.

Hazardous decomposition products

Heating can release hazardous gases. In the event of fire the following can be released: carbon dioxide (CO₂) Carbon monoxide

11. Toxicological information

Acute toxicity

no data available

Specific effects in experiment on an animal

no data available

Corrosive and irritant effects

no data available

Sensitising effects

no data available

Severe effects after repeated or prolonged exposure

no data available

Carcinogenic/mutagenic/toxic effects for reproduction

no data available

12. Ecological information

Ecotoxicity

No data is available on the product itself.

Mobility

No data is available on the product itself.

Persistence and degradability

No data is available on the product itself.

Bioaccumulative potential

No data is available on the product itself.

Other adverse effects

No data is available on the product itself.

Further information

Propellant contains no chlorinated fluorocarbons (CFC).

13. Disposal considerations

Advice on disposal

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Waste codes should be assigned by the user based on the application for which the product was used.

Waste disposal number of waste from residues/unused products

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140603 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08); waste organic solvents, refrigerants and foam/aerosol propellants; other solvents and solvent mixtures
Classified as hazardous waste.

Waste disposal number of used product

140603 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08); waste organic solvents, refrigerants and foam/aerosol propellants; other solvents and solvent mixtures
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances
Classified as hazardous waste.

Contaminated packaging

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Waste codes should be assigned by the user based on the application for which the product was used.

14. Transport information

Land transport (ADR/RID)

UN number: 1950
ADR/RID class: 2
Classification code: 5F
Warning plate
Hazard label: 2.1



Limited quantity: LQ2
Tunnel restriction code: D

Description of the goods

AEROSOLS

Other applicable information (land transport)

LQ 2 dangerous goods in limited quantities of class/classes 2
: 190 - 327 - 625
: 2
E0

Inland waterways transport

UN number: 1950
ADNR class: 2
Classification code: 5F
Hazard label: 2.1



Limited quantity: LQ2

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Description of the goods

AEROSOLS

Other applicable information (inland waterways transport)

: 190 327 625

E0

Marine transport

UN number: 1950
IMDG code: 2
Marine pollutant: no
Hazard label: 2, see SP63

IMDG packing group: -
EmS: F-D, S-U
Limited quantity: See SP277

Description of the goods

AEROSOLS

Other applicable information (marine transport)

: 63, 190, 277, 327, 959

E0

Air transport

UN/ID number: 1950
ICAO/IATA-DGR: 2.1
Hazard label: 2.1



Limited quantity Passenger: 30 kg G
IATA-packing instructions - Passenger: 203
IATA-max. quantity - Passenger: 75 kg
IATA-packing instructions - Cargo: 203
IATA-max. quantity - Cargo: 150 kg

Description of the goods

AEROSOLS

Other applicable information (air transport)

: -
: A1
E0
: Y203
Special provisions: A145 - A153

15. Regulatory information**Labelling**

Danger symbols: F+ - Extremely flammable; Xi - Irritant; N - Dangerous for the environment

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F+ - Extremely flammable



Xi - Irritant



N - Dangerously for the environment

R phrases

- 12 Extremely flammable.
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.

S phrases

- 23 Do not breathe Aerosol.

Special labelling for certain preparations

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Additional advice on labelling

Classification according to European directive on classification of hazardous preparations 1999/45/EC.

GHS labelling

Signal word:

Danger

Pictograms:

flame; exclamation mark; environment



Hazard statements

- H222 Extremely flammable aerosol.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash ... thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

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	breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to

EU regulatory information

1999/13/EC (VOC): 30 % (180 g/l)

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

Additional information

Occupational restrictions for pregnant and breast feeding women Take note of Dir 94/33/EC on the protection of young people at work.

16. Other information**Full text of R-phrases referred to under sections 2 and 3**

11	Highly flammable.
12	Extremely flammable.
23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
33	Danger of cumulative effects.
38	Irritating to skin.
51	Toxic to aquatic organisms.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
52	Harmful to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
67	Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under sections 2 and 3

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)