

SAFETY DATA SHEET

Stain away tie cleaner

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

Identification of the substance or preparation

Product name : Stain away tie cleaner
Product use : Easily removes difficult- to remove stains from all types of ties, such as ties made of silk and polyester.

Company/undertaking identification

Manufacturer : HG International b.v. **Telephone No.:** : +31 (0)36 54 94 700
Address : Damsluisweg 70 **Fax** : +31 (0)36 54 94 744
 1332 EJ Almere **Internet:** : www.hginternational.com
Country : Netherlands
Importer : HG UK
Address : Unit 11 Grange Way Business Park Whitehall Road Industrial Estate
 Uk Colchester Essex CO2 8HF
Telephone No.: : +44.1206.795.200
Fax : +44.1206.795.201
Country : United Kingdom (UK)

2. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	EC Number	%	Classification
United Kingdom (UK)				
Naphtha (petroleum), hydrotreated light	64742-49-0	265-151-9	30 - 100	F; 11 Xn; 65 Xi; 38 67
n-hexane	110-54-3	203-777-6	0 - 1	N; 51/53 F; 11 Repr. Cat. 3; 62 Xn; 48/20, 65 Xi; 38 67
(R)-p-Mentha-1,8-diene	5989-27-5	227-813-5	0 - 1	N; 51/53 10 Xi; 38 43
orange, sweet, ext.	8028-48-6	232-433-8	0 - 1	N; 50/53 10 Xn; 65 Xi; 38 43 N; 50/53

See section 16 for the full text of the R Phrases declared above

* Occupational Exposure Limit(s), if available, are listed in Section 8

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3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

- Classification** : F; 11
Xn; 20/21, 65, 67
- Physical/chemical hazards** : Highly flammable.
- Human health hazards** : Harmful by inhalation and in contact with skin.
Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.

See section 11 for more detailed information on health effects and symptoms.

4. First aid measures

First aid measures

- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.
- Ingestion** : If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed- can enter lungs and cause damage. Obtain medical attention.
- Skin Contact** : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention.
- Eye contact** : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Get medical attention if irritation occurs.
- Notes to physician** : Not available.
- Specific treatments** : Not available.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical or CO₂ extinguisher or spray.
- Special exposure hazards** : Flammable liquid and vapour. Vapour may cause flash fire. Vapours may accumulate in low or confined areas, travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
Not available.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO₂).
- Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- Personal Precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Do not touch or walk through spilled material.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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Methods for cleaning up : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling : Aspiration hazard if swallowed- can enter lungs and cause damage. Do not ingest. If ingested do not induce vomiting. Avoid prolonged contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapour or mist. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Wash thoroughly after handling.

Storage : Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Packaging materials

Recommended : Use original container.

Specific uses : Not available.

8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
<u>United Kingdom (UK)</u> n-hexane	EH40-WEL (United Kingdom (UK), 1/2005). TWA: 72 mg/m ³ 8 hour(s). Form: All forms TWA: 20 ppm 8 hour(s). Form: All forms

Exposure controls

Occupational exposure controls : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection : Wear appropriate respirator when ventilation is inadequate.

Hand protection : Chemical-resistant, impervious gloves or gauntlets complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
>8 hour(s) (breakthrough time): polyvinyl alcohol (PVA)

Eye protection : splash goggles

Skin protection : Work uniform or laboratory coat.

9. Physical and chemical properties

General information

Appearance

Physical state : Liquid.

Colour : Colourless.

Odour : Characteristic.

Important health, safety and environmental information

pH : Not applicable.

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Melting point	: Not available.
Boiling point	: 177°C (350.6°F)
Flash point	: Closed cup: Between -18°C (0°F) and 23°C (73°F). (Pensky-Martens.)
Flammability (solid, gas)	: Not applicable.
Explosive properties	: Not available.
Explosion Limits	: Lower: 0.6% Upper: 6.5%
Oxidising properties	: Not applicable
Relative density	: 0.725 g/cm ³ (20°C / 68°F)
Solubility	: Insoluble in cold water, hot water.
Other information	
Auto-ignition temperature	: 210°C (410°F)

10. Stability and reactivity

Stability	: The product is stable.
Conditions to Avoid	: Keep away from heat, sparks and flame. Stable under recommended storage and handling conditions (see section 7).
Hazardous Decomposition Products	: These products are carbon oxides (CO, CO ₂).

11. Toxicological information

Potential acute health effects

Inhalation	: Harmful by inhalation.
Ingestion	: Aspiration hazard if swallowed- can enter lungs and cause damage.
Skin Contact	: Harmful in contact with skin.
Eye contact	: No known significant effects or critical hazards.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
(R)-p-Mentha-1,8-diene	LD50	4400 mg/kg	Oral	Rat
	LD50	5600 mg/kg	Oral	Mouse

Potential chronic health effects

<u>Ingredient name</u>	<u>Carcinogenic effects</u>	<u>Mutagenic effects</u>	<u>Developmental toxicity</u>	<u>Impairs fertility</u>
n-hexane	-	-	-	Repr. Cat. 3; R62

Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Skin	: No known significant effects or critical hazards.
Target organs	: Contains material which causes damage to the following organs: blood, kidneys, liver, gastrointestinal tract, skin, central nervous system (CNS), eye, lens or cornea.

Other adverse effects	: Not available.
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12. Ecological information

Ecotoxicity data

Ingredient name

Species

Period

Result

n-hexane	Pimephales promelas (LC50)	96 hour(s)	2.5 mg/l
(R)-p-Mentha-1,8-diene	Daphnia pulex (EC50)	48 hour(s)	69.6 mg/l
	Pimephales promelas (LC50)	96 hour(s)	0.702 mg/l

No known significant effects or critical hazards.

Other adverse effects

13. Disposal considerations

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Waste classification




: Not applicable.

Hazardous waste

: The classification of the product may meet the criteria for a hazardous waste

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Class	3295	UN 3295, "dangerous goods in limited quantities of class 3", II, ADR (Naphtha (petroleum), hydrotreated light)	3	II		Hazard identification number 33 Reportable quantity 12 Remarks Marine pollutant Dangerous goods in limited quantities
ADN Class	3295	UN 3295, "dangerous goods in limited quantities of class 3", II, ADNR (Naphtha (petroleum), hydrotreated light)	3	II		RQ (Reportable quantity) ADN 12 Remarks Marine pollutant
IMDG Class	3295	"dangerous goods in limited quantities of class 3" UN 3295, PG II (Naphtha (petroleum), hydrotreated light). Marine pollutant (poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[(9-octadecenylimino)di-2,1-ethanediyl]bis[.omega.-	3	II		Emergency schedules (EmS) F-E, S-D Marine pollutant Marine pollutant (P) Remarks Dangerous goods in limited

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		hydroxy-, (z)-				quantities
IATA-DGR Class	3295	"dangerous goods in limited quantities of class 3" UN 3295, PG II (Naphtha (petroleum), hydrotreated light)	3	II		Remarks Marine pollutant

15. Regulatory information

EU Regulations

Hazard symbol(s) :



Highly flammable, Harmful

Risk Phrases :

R11- Highly flammable.
R20/21- Harmful by inhalation and in contact with skin.
R65- Harmful: may cause lung damage if swallowed. R67- Vapours may cause drowsiness and dizziness.

Safety Phrases :

S2- Keep out of the reach of children.
S9- Keep container in a well-ventilated place.
S16- Keep away from sources of ignition - No smoking.
S25- Avoid contact with eyes.
S36/37- Wear suitable protective clothing and gloves.
S62- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Other EU regulations :

Not available.

Product use :

Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.
- Consumer applications.

Other EU regulations

Child protection :

Yes, applicable.

Tactile warning of danger :

Yes, applicable.

EC Statistical classification (Tariff Code) :

32089091

Ingredients identification information :

30% and more: aliphatic hydrocarbons; perfumes: Limonene.

16. Other information

Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK) :

R11- Highly flammable.
R10- Flammable.
R62- Possible risk of impaired fertility.
R20/21- Harmful by inhalation and in contact with skin.
R48/20- Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R65- Harmful: may cause lung damage if swallowed.
R38- Irritating to skin.
R43- May cause sensitization by skin contact.
R67- Vapours may cause drowsiness and dizziness.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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This safety data sheet is prepared in accordance with EU directive 91/155/EC amended by Directive 2001/58/EC



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Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK)

environment.
: F - Highly flammable
Repr. Cat.3 - Toxic for reproduction Category 3
Xn - Harmful
Xi - Irritant
N - Dangerous for the environment.

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Verified by T. Rutgers.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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