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SensorTack® Release Spray

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

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

Use of the substance/mixture

release spray
The product is intended for professional use.

Uses advised against

Do not use for private purposes (household).

1.3. Details of the supplier of the safety data sheet

Company name:	PMA/TOOLS AG	
Street:	Siemensring 42	
Place:	D-47877 Willich	
Telephone:	+49 2154 922230	Telefax: +49 2154 922255
e-mail:	info@pma-tools.de	
Contact person:	Michael Münter	
e-mail:	msds@pma-tools.de - Please DO NOT use for requesting Safety Data Sheets.	
Internet:	www.pma-tools.de	
Responsible Department:	Laboratory	

1.4. Emergency telephone number:

Telephone number of the company in case of emergencies:
+49 2154 922230 (Mon - Fri 8.00h - 17.00h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:
Aerosol: 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.
Pressurised container: May burst if heated.
Causes skin irritation.
May cause drowsiness or dizziness.
Toxic to aquatic life with long lasting effects.

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard components for labelling

Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha

Signal word: Danger

Pictograms:



Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

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.
P261	Avoid breathing Aerosols.
P273	Avoid release to the environment.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.
P312 Call a POISON CENTER/doctor if you feel unwell.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of this material and its container to hazardous or special waste collection point. CHAPTER IV: SPECIAL PROVISIONS FOR WASTE INCINERATION PLANTS AND WASTE CO-INCINERATION PLANTS

Additional advice on labelling

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

2.3. Other hazards

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

The accumulation in lowlying or closed rooms can cause increased danger of fire and explosion.

Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.

Vapours of flammable solvents can accumulate in the gas phase of closed container, especially during heat treatment.

Therefore keep away from fire and sources of ignition. Only use the material in places where open light, fire and other flammable sources can be kept away.

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

The product will be applied by spraying.

In use may form flammable/explosive vapour-air mixture.

Even after use and until complete evaporation of the flammable components, there is still a danger of an explosive steam-air mixture forming.

The product does have a sealed spraying device.

Gases under pressure

Other adverse effects:

Can cause frostbite.

The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Aerosols

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha			50 - < 55 %
	927-510-4		01-2119475515-33	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
106-97-8	butane			35 - < 40%
	203-448-7	601-004-00-0		
	Flam. Gas 1; H220			
74-98-6	propane			10 - < 15 %
	200-827-9	601-003-00-5		
	Flam. Gas 1; H220			

Full text of H and EUH statements: see section 16.

Further Information

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down.

Take off immediately all contaminated clothing and wash it before reuse.

Put victim at rest, cover with a blanket and keep warm.

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Do not leave affected person unattended.
Observe risk of aspiration if vomiting occurs.
If breathing is irregular or stopped, administer artificial respiration.
If unconscious place in recovery position and seek medical advice.
Never give anything by mouth to an unconscious person or a person with cramps.
In the event of cardiac arrest immediately perform cardiopulmonary resuscitation.
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Self-protection of the first aider:
Wear personal protection equipment (refer to section 8).
First Aid.

Notes for the doctor:
No special measures are necessary.

After inhalation

Remove victim out of the danger area.
Provide fresh air.
In the case of lung irritation: Primary treatment using corticoide spray, eg. Auxiloson spray, Pulmicort-dosage-spray. (Auxiloson and Pulmicort are registered trademarks.)
Consult a doctor immediately in the case of inhaling spray mist and show him packing or label.

After contact with skin

Wash immediately with: Water and soap
Rub greasy ointment into the skin.
Do not wash with: Solvents/Thinner
In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Do NOT induce vomiting.
Give nothing to eat or drink.
Never give anything by mouth to an unconscious person or a person with cramps.
Call a physician immediately.

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

The following symptoms may occur:
Cough
Dyspnoea
Cyanosis (blue coloured blood)
Acidosis
Depression of central nervous system
Headache
Drowsiness
Dizziness
Inebriation
Unconsciousness

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

Treat symptomatically.
Regulation of the blood circulation, possible shock treatment.
Where appropriate artificial ventilation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water mist, Carbon dioxide (CO₂), Foam, Extinguishing powder.

Fire class (DIN EN 2): B (Fires of liquids or liquid turning substances).

Unsuitable extinguishing media

Full water jet
Water spray jet

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5.2. Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes.
Burning produces heavy smoke.

Hazardous combustion products:
Carbon monoxide
Carbon dioxide (CO₂)
Hydrocarbons
Pyrolysis products, toxic

5.3. Advice for firefighters

Usual measures for fire prevention.
Co-ordinate fire-fighting measures to the fire surroundings.
In case of fire and/or explosion do not breathe fumes.
In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.
Beware of reignition.
Use caution when applying carbon dioxide in confined spaces. Carbon dioxide can displace oxygen.
Move undamaged containers from immediate hazard area if it can be done safely.
Use water spray jet to protect personnel and to cool endangered containers.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Dispose of waste according to applicable legislation.
Special protective equipment for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing.
DIN EN 469

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothes.
Do not breathe vapour/aerosol.
Remove all sources of ignition.
Remove persons to safety.
Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction.
Provide adequate ventilation.

For non-emergency personnel:
Use personal protection equipment.
Emergency procedures

For emergency responders
Use personal protection equipment.
The type of personal protection equipment has to be chosen based on the concentration and amount of the dangerous substance at the workplace.
Suitable material:
See section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.
Do not allow to enter into soil/subsoil.
Ensure waste is collected and contained.
Suppress gases/vapours/mists with water spray jet.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

For containment:
Stop leak if safe to do so.
Move undamaged containers from immediate hazard area if it can be done safely.
Prevent spread over a wide area (e.g. by containment or oil barriers).
Remove from the water surface (e.g. skimming, sucking).
Cover drains.

For cleaning up:
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Wipe up with absorbent material (eg. cloth, fleece).
Take up mechanically, placing in appropriate containers for disposal.
Clear contaminated areas thoroughly.

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Cleaning agent:
Clean with detergents. Avoid solvent cleaners.
Retain contaminated washing water and dispose it.
Ensure all waste water is collected and treated via a waste water treatment plant.
Ventilate affected area.

Suitable material for taking up:
Absorbing material, organic
Sand
Kieselguhr
Universal binder

6.4. Reference to other sections

Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Measures to prevent aerosol and dust generation:
It is recommended to design all work processes always so that the following is excluded:
Inhalation of vapours or spray/mists, Eye contact, Skin contact

Technical ventilation of workplace
Vapours are heavier than air. Provide room air exhaust at ground level.
During filling, metering and sampling should be used if possible:
Splashproof grounded devices. Devices with local exhaust
Use only in a exhaust booth with integrated air filter.
Use in ventilated spray booths only. Recirculation of exhaust air is not recommended.

Advice on protection against fire and explosion

The product is: Extremely flammable aerosol.
Vapours can form explosive mixtures with air.
Beware of reignition.
Vapours are heavier than air, spread along floors and form explosive mixtures with air.
Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches.
Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
Use non-sparking tools.
Flammable vapours can accumulate in head space of closed systems.
Only use the material in places where open light, fire and other flammable sources can be kept away.
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
Usual measures for fire prevention. Fire class: B
Wear anti-static footwear and clothing

Further information on handling

Retain contaminated washing water and dispose it.
Use the following recovery and/or abatement technique for cleaning waste gases:
Gas scrubber, Incineration

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Suitable floor material: Floors should be impervious, resistant to liquids and easy to clean.
Protect against: Heat, Cold
Recommended storage temperature: +10 - +30 °C
Keep only in original packaging.

Advice on storage compatibility

Do not store together with:
Explosive hazardous substances, Other potentially explosive hazardous substances, Pyrophoric or self-heating substances, Hazardous substances that release flammable gases when in contact with water, Highly oxidising substances, Oxidising substances, Ammonium nitrate and preparations containing ammonium nitrate, Organic peroxides and self-reactive substances, Infectious substances, Radioactive substances

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Heating causes rise in pressure with risk of bursting.
Keep away from sources of ignition - No smoking.

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Keep in a cool, well-ventilated place.
Keep container tightly closed.
Protect containers against damage.
Ensure adequate ventilation of the storage area.
Store small packages in a suitable, robust cabinet.
Notice the directions for use on the label.

7.3. Specific end use(s)

release spray

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha			
Worker DNEL, long-term		dermal	systemic	300 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	2085 mg/m ³
Consumer DNEL, long-term		dermal	systemic	149 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	447 mg/m ³
Consumer DNEL, long-term		oral	systemic	149 mg/kg bw/day

8.2. Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Eye/face protection

Wear eye protection/face protection. DIN EN 166

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Draw up and observe skin protection programme. Use protective skin cream before handling the product.

Wear suitable gloves. (DIN EN 374) NBR (Nitrile rubber), FKM (fluoro rubber)

Unsuitable material: Butyl caoutchouc (butyl rubber), NR (natural rubber, natural latex)

Skin protection

Flame-retardant protective clothing. Wear anti-static footwear and clothing (DIN EN ISO 20345)

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

Respiratory protection

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

In case of inadequate ventilation wear respiratory protection.

Suitable respiratory protection apparatus: Combination filtering device (EN 14387)

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

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Environmental exposure controls

Do not allow to enter into surface water or drains. Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Aerosol
Colour: white
Odour: characteristic

Test method

pH-Value: not applicable

Changes in the physical state

Melting point: not determined
Initial boiling point and boiling range: >-42 °C
Sublimation point: not applicable
Softening point: not applicable
Pour point: not applicable
Flash point: <-97 °C

Flammability

Solid: not applicable
Gas: not applicable

Explosive properties

In use may form flammable/explosive vapour-air mixture.

Lower explosion limits: 0,6 vol. %
Upper explosion limits: 10,8 vol. %
Ignition temperature: >200 °C

Auto-ignition temperature

Solid: not applicable
Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

not relevant

Vapour pressure: <3000 hPa
(at 20 °C)

Vapour pressure: <7000 hPa
(at 50 °C)

Density: 0,645 g/cm³

Water solubility: <0,1 g/L
(at 20 °C)

Solubility in other solvents

miscible

Partition coefficient: not applicable

Viscosity / dynamic: not applicable

Viscosity / kinematic: not applicable

Flow time: not applicable

Vapour density: 2.0
(at 25 °C)

Evaporation rate: not determined

Solvent separation test: not applicable

Solvent content: 51%

9.2. Other information

Solid content: not determined

Extremely flammable aerosol.

In use may form flammable/explosive vapour-air mixture.

Gases under pressure

SECTION 10: Stability and reactivity

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10.1. Reactivity

Extremely flammable aerosol. Explosive.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Risk of explosion by shock, friction, fire or other sources of ignition. Remove all sources of ignition. Keep away from heat. Ignition hazard.

10.5. Incompatible materials

Violent reaction with: Oxidising agent, strong

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects**Acute toxicity**

Based on available data, the classification criteria are not met.
The product has not been tested.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha				
	oral	LD50 >5840 mg/kg	Rat	ECHA	
	dermal	LD50 >2800 mg/kg	Rat	ECHA	
	inhalative (4 h) vapour	LC50 >23,3 mg/l	Rat	ECHA	OECD 403

Irritation and corrosivity

Causes skin irritation.
Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha)

STOT-repeated exposure

Based on available data, the classification criteria are not met.
Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha					
	Acute fish toxicity	LC50 >13,4 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA	OECD 203
	Acute algae toxicity	ErC50 10-30 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA	OECD 201
	Acute crustacea toxicity	EC50 3 mg/l	48 h	Daphnia magna (Big water flea)	ECHA	OECD 202
	Fish toxicity	NOEC (1,534) mg/l	28 d	Oncorhynchus mykiss (Rainbow trout)	ECHA	
	Algea toxicity	NOEC (10) mg/l	3 d	Pseudokirchneriella subcapitata	ECHA	OECD 201
	Crustacea toxicity	NOEC (0,17) mg/l	21 d	Daphnia magna (Big water flea)	ECHA	OECD 211

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha			
	OECD 301F	98%	28	ECHA
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
106-97-8	butane	2,89
74-98-6	propane	2,36

12.4. Mobility in soil

Product is easily volatile.

12.5. Results of PBT and vPvB assessment

The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

Waste disposal number of used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

Waste disposal number of contaminated packaging

150111 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers; hazardous waste

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Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
 Hazard label: 2.1




Classification code: 5F
 Special Provisions: 190 327 344 625
 Limited quantity: 1 L
 Excepted quantity: E0
 Transport category: 2
 Tunnel restriction code: D

Inland waterways transport (ADN)

14.1. UN number: No transport classification available. Transport carrier not used.
14.2. UN proper shipping name: No transport classification available. Transport carrier not used.
14.3. Transport hazard class(es): No transport classification available. Transport carrier not used.
14.4. Packing group: No transport classification available. Transport carrier not used.

Marine transport (IMDG)


14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
 Hazard label: 2.1



Special Provisions: 63, 190, 277, 327, 344, 381, 959
 Limited quantity: 1000 mL
 Excepted quantity: E0
 EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS, flammable
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
 Hazard label: 2.1



Special Provisions: A145 A167 A802
 Limited quantity Passenger: 30 kg G
 Passenger LQ: Y203
 Excepted quantity: E0

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

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14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



Danger releasing substance: Naphtha (Erdöl), mit Wasserstoff behandelt, leicht; Naphtha, wasserstoffbehandelt, niedrigsiedend

14.6. Special precautions for user

Warning: Flammable gases.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No transport classification available. Transport carrier not used.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 28: butane

Entry 29: Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha

Entry 40: propane

2010/75/EU (VOC): 99 % (639 g/l)

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 2 - clearly water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 3, 15.

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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: May burst if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic 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.)