

Trade name: WT-HPC15, HP15 EU (canisters & cans)

Status: 01.09.2008

Product no.: WES-006

Version: 2.0.0 / GB

Date of printing: 01.09.2008

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

Identification of the substance or preparation

Trade name

WT-HPC15, HP15 EU (canisters & cans)

Use of the substance/preparation

industrial adhesive

Company/undertaking identification

Address

Westech Aerosol GmbH
Meisenrain 6
79618 Rheinfeldern

Telephone no. +49 (0)7623 - 909023
+49 (0)7623 - 909056

Information provided by / telephone

+49 (0)7623 - 909023

Emergency telephone

+49(0)551 / 19240 {Giftinformationszentrum Nord (GIZ-Nord)} (Service in english)

Advice on Safety Data Sheet

sdb_info@umco.de

2.) Hazards identification

Classification

Carc.Cat.3; R40 Limited evidence of a carcinogenic effect.
Xi; R37/38 Irritating to respiratory system and skin.
R67 Vapours may cause drowsiness and dizziness.

Hazard symbols

Xn Harmful

R phrases

37/38 Irritating to respiratory system and skin.
40 Limited evidence of a carcinogenic effect.
67 Vapours may cause drowsiness and dizziness.

3.) Composition / information on ingredients

Chemical characterization

Mixture (preparation)

Hazardous ingredients

dichloromethane

EC no.	200-838-9	Index no.	602-004-00-3	CAS no.	75-09-2
Concentration	>= 40	<=	55	%-b.w.	
Classification	Carc.Cat.3; R40				
Hazard symbols	Xn	R phrases	40		

Petroleum gas, Petroleum gases, liquefied, sweetened

EC no.	270-705-8	Index no.	649-203-00-1	CAS no.	68476-86-8
Concentration	>= 25	<=	35	%-b.w.	
Classification	E; R2 F+; R12 Xi; R37/38 R67 R44 R16				
Hazard symbols	E, Xi	R phrases	2-12-16-37/38-44-67		

4.) First aid measures

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Summon a doctor immediately.

After skin contact

Wash immediately with plenty of water for several minutes. Don't use solvents. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an ophthalmologist.

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After ingestion

Do not induce vomiting. Summon a doctor immediately. Drink water in small gulps. Never give anything by mouth to an unconscious person.

5.) Fire-fighting measures

Suitable extinguishing media

Alcohol-resistant foam; extinguishing powder; Carbon dioxide

Extinguishing media that must not be used for safety reasons

Full water jet

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

In the event of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Fire gas of organic material has to be classed invariably as respiratory poison.

Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Wear protective clothing.

Other information

Cool endangered containers with water spray jet. Suppresses gases/vapours/mists with water spray jet.

6.) Accidental release measures

Personal precautions

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

Methods for cleaning up/taking up

Pick up with absorbent material (e.g., sand, sawdust, general-purpose binder). Send in suitable containers for recovery or disposal.

7.) Handling and storage

Handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far as possible by the state of the art.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

Storage

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

Advice on storage assembly

Do not store together with:

Acids

Bases

Oxidizing agents

Do not store together with foodstuffs.

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight.

Recommended storage temperature

Value < 49 °C

8.) Exposure controls / personal protection

Exposure limit values

dichloromethane

CAS no. 75-09-2

EC no. 200-838-9

Maximum Exposure Limits (MELs) / EH40

Dichloromethane

TWA	350	mg/m ³	100	ml/m ³
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STEL	1060	mg/m ³	300	ml/m ³
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Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Breathing apparatus: gas filter AX, code colour: brown

Hand protection

In case of intensive contact, wear protective gloves (EN 374). Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	nitrile		
Material thickness	>	0,3	mm
Breakthrough time	>	480	min.

Eye protection

Safety glasses with side protection shield (EN 166)

Skin protection

protective overalls, antistatic

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Wash hands before breaks and after work. Have eye wash fountain available. Have emergency shower available.

9.) Physical and chemical properties

General information

Form	liquid
Colour	clear; red
Odour	solvent-like

Important health, safety and environmental information

Changes in physical state

Type	Boiling point	
Value	40	°C

Explosion limits

Upper explosion limit	22	% vol
Lower explosion limit	1,8	% vol

Vapour pressure

Value	appr. 350	mm Hg
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Density

Value	1,33
Remarks	H ₂ O = 1

Solubility in water

Remarks	insoluble
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10.) Stability and reactivity

Conditions to avoid

None, if handled according to order.

Materials to avoid

Acids; Bases; Oxidizing agents; Metals

Hazardous decomposition products

Carbon monoxide; Acetic acid; Sulphurous oxides (SO_x); Nitrous oxides (NO_x); Hydrocarbons

11.) Toxicological information

Acute toxicity

Acute oral toxicity

LD50	1600	mg/kg
Species	rat	
Reference substance	Dichloromethane	
Source	RTECS	

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Acute dermal toxicity

LD50	>	2000	mg/kg
Species		rat	
Reference substance		Dichloromethane	
Source		Merck	

Acute inhalational toxicity

LC50		88000	mg/m ³
Reference substance		Dichloromethane	
Duration of exposure		30	min
Species		rat	
Source		IUCLID	

Effects after repeated or prolonged exposition (subacute, subchronic, chronic)

Mutagenicity

Remarks No experimental information on genotoxicity available.

Reproduction toxicity

Remarks No experimental information on reproduction toxic effects available.

Carcinogenicity

Remarks Carc. Cat. 3 (67/548/EC, annex I)

Experience in practice

Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin.
Irritates respiratory tract.
Irreversible injuries possible.

12.) Ecological information

Ecotoxicity

Fish toxicity

LC50		193	mg/l
Species		Pimephales promelas	
Duration of exposure		96	h
Source		ECOTOX	
Reference substance		Dichloromethane	

Daphnia toxicity

EC50		1682	mg/l
Species		Daphnia magna	
Duration of exposure		48	h
Source		IUCLID	
Reference substance		Dichloromethane	

Other adverse effects

Do not allow to enter soil, waterways or waste water canal.

13.) Disposal considerations

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

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14.) Transport information

Land transport ADR/RID

Class	2	Classification code	2A
Packaging group	-		
Hazard id. no.	20		
Label	2.2		
UN number	3163		
Technical name	Liquefied gas, n.o.s.		
Special Provision 640	-		
Danger releasing substance	dichloromethane		

Petroleum gas, Petroleum gases, liquefied, sweetened
Canisters

Remarks

Class	2	Classification code	5A
Packaging group	-		
Label	2.2		
UN number	1950		
Technical name	Aerosols		
Special Provision 640	-		
Danger releasing substance	dichloromethane		

Petroleum gas, Petroleum gases, liquefied, sweetened
Cans

Remarks

Marine transport IMDG

Class	2.2
Packaging group	-
UN number	3163
Proper shipping name	Liquefied gas, n.o.s.
Danger releasing substance	dichloromethane

Petroleum gas, Petroleum gases, liquefied, sweetened

EmS F-C,S-V

Label 2.2

Remarks Canisters

Class 2

Subsidiary-hazard See SP63

Packaging group -

UN number 1950

Proper shipping name Aerosols

Danger releasing substance dichloromethane

Petroleum gas, Petroleum gases, liquefied, sweetened

EmS F-D,S-U

Label 2.2

Remarks Cans

Air transport ICAO/IATA

Class	2.2
UN number	3163
Proper shipping name	Liquefied gas, n.o.s.
Danger releasing substance	dichloromethane

Petroleum gas, Petroleum gases, liquefied, sweetened

Label 2.2

Remarks Canisters

Class 2.2

UN number 1950

Proper shipping name Aerosols

Danger releasing substance dichloromethane

Petroleum gas, Petroleum gases, liquefied, sweetened

Label 2.2

Remarks Cans

15.) Regulatory information

Labelling in accordance with EC directives

The product is classified and labelled in accordance with EC Directive 1999/45/EC.

Hazard symbols

Xn Harmful

Hazardous component(s) to be indicated on label, contains:

dichloromethane

R phrases

37/38	Irritating to respiratory system and skin.
40	Limited evidence of a carcinogenic effect.
67	Vapours may cause drowsiness and dizziness.

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S phrases

23.2 Do not breathe fumes.
24/25 Avoid contact with skin and eyes.
36/37 Wear suitable protective clothing and gloves.

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

16.) Other information

Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.
Regulation (EC) No 1907/2006 (REACH) as amended in each case.
EC Directives 2000/39/EC, 2006/15/EC as amended in each case.
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Relevant R-phrases (chapter 3):

12 Extremely flammable
16 Explosive when mixed with oxidizing substances.
2 Risk of explosion by shock, friction, fire or other sources of ignition.
37/38 Irritating to respiratory system and skin.
40 Limited evidence of a carcinogenic effect.
44 Risk of explosion if heated under confinement.
67 Vapours may cause drowsiness and dizziness.

Department issuing safety data sheet

UMCO Umwelt Consult GmbH
Georg-Wilhelm-Str. 183 b, D-21107 Hamburg
Tel.: +49 40 / 41 92 13 00 Fax: +49 40 / 41 92 13 57 e-mail: umco@umco.de

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.