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

· **1.1 Product identifier**

. **Trade name:** **KEMTEX GASKET REMOVER 400ml**

Code du produit : **15.11902-0400**

· **Code UFI :** PD37-D0W1-P00G-6072

· **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.

· **Application of the substance / the mixture** Stripper
Restricted to professional users.

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:** KEMTEX-H.C.T.nv Europalaan 24b
9800 Deinze
Belgium - Europa
Tél : +32 (0)9 380 45 43
mail@kemtex.be

· **1.4 Emergency telephone number:** Poison Control Centre : 0845 4647

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Aerosol 3	H229 Pressurised container: May burst if heated.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Carc. 2	H351 Suspected of causing cancer.
STOT SE 3	H336 May cause drowsiness or dizziness.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms**

GHS07 GHS08

· **Signal word** Warning

· **Hazard-determining components of labelling:** dichloromethane

· **Hazard statements**
H229 Pressurised container: May burst if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H336 May cause drowsiness or dizziness.

· **Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.

(Contd. on page 2)

(Contd. of page 1)

P280 Wear protective gloves/protective clothing/eye protection/ face protection/hearing protection.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with local/ regional/national/international regulations.

· ***Additional information:*** Restricted to industrial use and to professionals approved in certain EU Member States - verify where use is allowed.

· ***2.3 Other hazards***
· ***Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable.
· ***vPvB:*** Not applicable.

SECTION 3: Composition/information on ingredients

· ***3.2 Mixtures***
· ***Description:*** Active substance with propellant

· ***Dangerous components:***

CAS: 75-09-2 EINECS: 200-838-9 Reg.nr.: 01-2119480404-41	dichloromethane Carc. 2, H351 substance with a Community workplace exposure limit	50-100%
CAS: 3470-98-2 EINECS: 222-437-8 Reg.nr.: 01-2120062728-48	1-butylpyrrolidin-2-one Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5-10%
CAS: 124-38-9 EINECS: 204-696-9 Reg.nr.: Note 1	carbon dioxide Press. Gas (Liq.), H280 substance with a Community workplace exposure limit	2.5-5%
CAS: 8002-74-2 EINECS: 232-315-6 Reg.nr.: 01-2119488076-30	Paraffin waxes and Hydrocarbon waxes substance with a Community workplace exposure limit	≤1%

· ***Regulation (EC) No 648/2004 on detergents / Labelling for contents***

halogenated hydrocarbons	≥30%

· ***Additional information:*** Note 1: Listed in Annex IV / V UK REACH, exempted from registration
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· ***4.1 Description of first aid measures***
· ***General information:*** Seek immediate medical advice.
Immediately remove any clothing soiled by the product.
· ***After inhalation:*** Supply fresh air; consult doctor in case of complaints.
· ***After skin contact:*** Wash with water and soap and rinse thoroughly.
· ***After eye contact:*** Rinse opened eye for several minutes under running water.
· ***After swallowing:*** Do not induce vomiting; call for medical help immediately.
· ***4.2 Most important symptoms and effects, both acute and delayed*** No further relevant information available.
· ***4.3 Indication of any immediate medical attention and special treatment needed*** No further relevant information available.

(Contd. on page 3)

(Contd. of page 2)

SECTION 5: Firefighting measures

· ***5.1 Extinguishing media***

· ***Suitable extinguishing agents:*** Use fire extinguishing methods suitable to surrounding conditions.
Foam
Fire-extinguishing powder
Carbon dioxide

· ***5.2 Special hazards arising from the substance or mixture*** Heat (or fire) will increase pressure and may lead to the receptacle bursting.
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide
Nitrogen oxides (NOx)
Hydrogen chloride (HCl)
Phosgene gas

· ***5.3 Advice for firefighters***

· ***Protective equipment:*** Wear self-contained respiratory protective device.
Wear fully protective suit.

· ***Additional information*** Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

· ***6.1 Personal precautions, protective equipment and emergency procedures*** Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.
Not applicable, as aerosol.

· ***6.2 Environmental precautions:*** Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

· ***6.3 Methods and material for containment and cleaning up:*** Ensure adequate ventilation.
Send for recovery or disposal in suitable receptacles.
Dispose contaminated material as waste according to section 13.

· ***6.4 Reference to other sections*** See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· ***7.1 Precautions for safe handling*** Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Take note of emission threshold.

· ***Information about fire - and explosion protection:*** Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
Keep ignition sources away - Do not smoke.
Do not spray onto a naked flame or any incandescent material.

(Contd. on page 4)

(Contd. of page 3)

· ***7.2 Conditions for safe storage, including any incompatibilities***
· ***Storage:***
· ***Requirements to be met by storerooms and receptacles:*** Observe official regulations on storing packagings with pressurised containers.
· ***Information about storage in one common storage facility:*** Not required.
· ***Further information about storage conditions:*** Store in cool, dry conditions.
Keep container tightly sealed.
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
Temperature < 40°C.
· ***7.3 Specific end use(s)*** Do not use the product for any other application for which it is intended.
Read the technical data sheet before use.

SECTION 8: Exposure controls/personal protection

· ***8.1 Control parameters***

· ***Ingredients with limit values that require monitoring at the workplace:***

75-09-2 dichloromethane

WEL	Short-term value: 706 mg/m³, 200 ppm Long-term value: 353 mg/m³, 100 ppm BMGV, Sk

124-38-9 carbon dioxide

WEL	Short-term value: 27400 mg/m³, 15000 ppm Long-term value: 9150 mg/m³, 5000 ppm

8002-74-2 Paraffin waxes and Hydrocarbon waxes

WEL	Short-term value: 6 mg/m³ Long-term value: 2 mg/m³

· ***PNECs***

75-09-2 dichloromethane

PNEC - Fresh water	0.31 mg/l
PNEC - Marine water	0.031 mg/l
PNEC - eau (dégagement intermitent)	0.27 mg/l
PNEC - Soil	0.33 mg/kg
PNEC - Fresh water sediment	2.57 mg/kg
PNEC - Marine sediment	0.26 mg/kg

3470-98-2 1-butylpyrrolidin-2-one

PNEC - Fresh water	0.8 mg/l
PNEC - Marine water	0.08 mg/l
PNEC - Effects on waste water treatment plants	30.62 mg/l
PNEC - Soil	0.7955 mg/kg
PNEC - Fresh water sediment	6.336 mg/kg

· ***Ingredients with biological limit values:***

75-09-2 dichloromethane

BMGV	30 ppm Medium: end-tidal breath Sampling time: post shift Parameter: carbon monoxide

(Contd. on page 5)

(Contd. of page 4)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Appropriate engineering controls** No further data; see section 7.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
Put in place an extraction ventilation at the emission points
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before drinking, eating or smoking.
Wearing of Personal Protective Equipment (PPE) required for all persons with allergies.
· **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
Filter AX
· **Hand protection**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
PVA gloves
Neoprene gloves
· **Penetration time of glove material** The exact breakthrough time of the glove material has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye/face protection**

Safety glasses
· **Body protection:** Use protective suit.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**	Physical and chemical properties of the gas-free active product.
· **Physical state**	Aerosol
· **Colour:**	White
· **Odour:**	Ether-like
· **Odour threshold:**	Not determined.
· **Melting point/freezing point:**	Undetermined.
· **Boiling point or initial boiling point and boiling range**	40 °C (75-09-2 dichloromethane)
· **Flammability**	Not applicable.
· **Lower and upper explosion limit**	
· **Lower:**	0.9 Vol % (3470-98-2 1-butylpyrrolidin-2-one)
· **Upper:**	66 Vol % (75-09-2 dichloromethane)
· **Flash point:**	Non measurable

(Contd. on page 6)

(Contd. of page 5)

· ***Auto-ignition temperature:***	212 °C (3470-98-2 1-butylpyrrolidin-2-one)
· ***Decomposition temperature:***	Not determined.
· ***pH***	Not determined.
· ***Viscosity:***	
· ***Kinematic viscosity***	Not determined.
· ***Dynamic:***	Not determined.
· ***Solubility***	
· ***water:***	Fully miscible.
· ***Partition coefficient n-octanol/water (log value)***	Not determined.
· ***Vapour pressure at 20 °C:***	453 hPa (75-09-2 dichloromethane)
· ***Density and/or relative density***	
· ***Density at 20 °C:***	0.955 g/cm³ (NF EN ISO 12185)
· ***Relative density***	Not determined.
· ***Vapour density***	Not determined.

· ***9.2 Other information***	
· ***Appearance:***	
· ***Form:***	Aerosol
· ***Important information on protection of health and environment, and on safety.***	
· ***Ignition temperature:***	Not determined.
· ***Explosive properties:***	Not determined.
· ***Change in condition***	
· ***Evaporation rate***	Not applicable.

· ***Information with regard to physical hazard classes***	
· ***Explosives***	Void
· ***Flammable gases***	Void
· ***Aerosols***	Heat of combustion : < 20kJ/g Pressurised container: May burst if heated.
· ***Oxidising gases***	Void
· ***Gases under pressure***	Void
· ***Flammable liquids***	Void
· ***Flammable solids***	Void
· ***Self-reactive substances and mixtures***	Void
· ***Pyrophoric liquids***	Void
· ***Pyrophoric solids***	Void
· ***Self-heating substances and mixtures***	Void
· ***Substances and mixtures, which emit flammable gases in contact with water***	Void
· ***Oxidising liquids***	Void
· ***Oxidising solids***	Void
· ***Organic peroxides***	Void
· ***Corrosive to metals***	Void
· ***Desensitised explosives***	Void

SECTION 10: Stability and reactivity

· ***10.1 Reactivity***	No further relevant information available.
· ***10.2 Chemical stability***	
· ***Thermal decomposition / conditions to be avoided:***	No decomposition if used and stored according to specifications.
· ***10.3 Possibility of hazardous reactions***	Danger of bursting. None when normally used.
· ***10.4 Conditions to avoid***	Temperature > 50°C.

(Contd. on page 7)

(Contd. of page 6)

· ***10.5 Incompatible materials:*** Acids, alkalis and oxidizing agents.
aluminium.
Materials to avoid: strong acids. oxidizing
Water.

· ***10.6 Hazardous decomposition products:*** No decomposition if used and stored according to specifications.

SECTION 11: Toxicological information

· ***11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008***

· ***Acute toxicity*** Based on available data, the classification criteria are not met.

· ***LD/LC50 values relevant for classification:***

75-09-2 dichloromethane		
Oral	LD50.	>2,000 mg/kg (Rat)
Dermal	LD50.	>2,000 mg/kg (Rat)
Inhalative	LC50/8h.	49,000 mg/m³ (Rat)
3470-98-2 1-butylpyrrolidin-2-one		
Oral	LD50.	300-2,000 mg/kg (Rat)
Dermal	LD50.	>2,000 mg/kg (rabbit)
8002-74-2 Paraffin waxes and Hydrocarbon waxes		
Oral	LD50.	>5,000 mg/kg (Rat)
Dermal	LD50.	>2,000 mg/kg (Rat)

· ***Skin corrosion/irritation*** Causes skin irritation.
· ***Serious eye damage/irritation*** Causes serious eye irritation.
· ***Carcinogenicity*** Suspected of causing cancer.
· ***STOT-single exposure*** May cause drowsiness or dizziness.

· ***11.2 Information on other hazards***

· ***Endocrine disrupting properties***
None of the ingredients is listed.

SECTION 12: Ecological information

· ***12.1 Toxicity***

· ***Aquatic toxicity:***

75-09-2 dichloromethane		
Oral	LC50/96 h	193 mg/l (Pimephales promelas)
	NOEC	83 mg/l (Pimephales promelas)
	CE 50 (48H)	27 mg/l (Daphnia)
	CE50 - 40 min	2,590 mg/l (bou) (Inhibition de la respiration)
	CE5 - 16 h	500 mg/l (Pseudomonas putida)
3470-98-2 1-butylpyrrolidin-2-one		
	CE 50 (48H)	>100 mg/l (Daphnia)
	EC50 (72H)	>160 mg/l (Pseudokirchneriella subcapitata)
	CL50 (96H)	>100 mg/l (Oncorhynchus mykiss)
8002-74-2 Paraffin waxes and Hydrocarbon waxes		
	NOEC	>100 mg/l (Desmodesmus subspicatus)
	NOELR	10 mg/l (Daphnia)

(Contd. on page 8)

(Contd. of page 7)

	LL50	>100 mg/l (fish)
	EL 50 (48H)	>10,000 mg/l (Daphnia)

· ***12.2 Persistence and degradability*** No further relevant information available.
· ***12.3 Bioaccumulative potential*** No further relevant information available.
· ***12.4 Mobility in soil*** No further relevant information available.
· ***12.5 Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable.
· ***vPvB:*** Not applicable.
· ***12.6 Endocrine disrupting properties*** The product does not contain substances with endocrine disrupting properties.
· ***12.7 Other adverse effects***
· ***Additional ecological information:***
· ***General notes:*** Do not allow product to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· ***13.1 Waste treatment methods***
· ***Recommendation*** Send to an approved waste facility.
Do not allow product to reach sewage system or any water course.

· ***Uncleaned packaging:***
· ***Recommendation:*** Send to an approved waste facility.
Disposal must be made according to official regulations.
Do not pierce or burn, even after use.

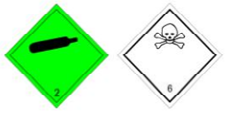
SECTION 14: Transport information

· ***14.1 UN number or ID number***
· ***ADR, IMDG, IATA*** UN1950

· ***14.2 UN proper shipping name***
· ***ADR*** UN1950 AEROSOLS
· ***IMDG, IATA*** AEROSOLS

· ***14.3 Transport hazard class(es)***

· ***ADR***



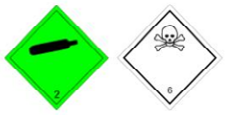
· ***Class*** 2 5T Gases.
· ***Label*** 2.2+6.1

· ***IMDG***

· ***Class*** 2 Gases.

(Contd. on page 9)

(Contd. of page 8)

· **Label**	2.2/6.1
· **IATA**	
	
· **Class**	2 Gases.
· **Label**	2.2 (6.1)
· **14.4 Packing group**	
· **ADR, IMDG, IATA**	Void
· **14.5 Environmental hazards:**	
· **Marine pollutant:**	No
· **14.6 Special precautions for user**	Warning: Gases.
· **Hazard identification number (Kemler code):**	-
· **EMS Number:**	F-D,S-U
· **Stowage Code**	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· **Segregation Code**	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **Transport/Additional information:**	
· **ADR**	
· **Limited quantities (LQ)**	120 ml
· **Excepted quantities (EQ)**	Code: E0 Not permitted as Excepted Quantity
· **Transport category**	1
· **Tunnel restriction code**	D
· **IMDG**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E0 Not permitted as Excepted Quantity
· **UN "Model Regulation":**	UN 1950 AEROSOLS, 2.2

SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

(Contd. on page 10)

(Contd. of page 9)

· ***15.2 Chemical safety assessment:*** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Shelf-life : 24 months from the date it was manufactured.

· ***Relevant phrases***
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.

· ***Abbreviations and acronyms:***
ADR: Accord relatif au transport international 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 Harmonised 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 (division of the American Chemical Society)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Aerosol 3: Aerosols – Category 3
Press. Gas (Liq.): Gases under pressure – Liquefied gas
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· **** Data compared to the previous version altered.***