Chewing Gum Remover

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

1.1 Product Identifier

Product Name:	Chewing Gum Remover
Product Number:	0520
Product Type:	Mixture
Use of mixture:	Stain Remover

For professional use only.

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

Identified Uses
Chewing Gum Remover – manual methods.

Uses advised against
None known.

1.3 Details of the supplier of the safety data sheet

CEBE Reinigungschemie GmbH
Ruhrstrasse 47
22761 Hamburg
Germany

Telephone: +49.40.851 82 -0 Telefax: +49.40.851 82 29 Email: info@cebechem.com
Responsible/issuing person: Dr. Jan M. Reimers

1.4 Emergency telephone number

Emergency telephone number: +49.40.851 82 -0 (Mo. – Th. 8:00 to 16:45, Fr. 8:00 to 15:30)

2. Hazards identification

2.1 Classification of the substance or mixture

Product definition: mixture

Classification according to Regulation (EU) No. 1272/2008 (CLP)	
Hazard class and hazard category	**Hazard statements**
Aerosol 1	H222, H229

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

2.2 Label elements

Labelling according to Regulation (EU) No. 1272/2008

Hazard symbol(s):

Signal Word: Danger.

Hazard Statements:

H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated.

Precautionary Statements:

Prevention:	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.
Reaction:	None.	
Storage:	P403	Store in a well-ventilated place.
	P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122°F.
Disposal:	None.	

Additional labelling elements: Pressurized container. Protect from sunlight and temperatures above 50°C (i.e. electric lights). Keep away from sources of ignition. Do not smoke. Do not spray on a naked flame or any incandescent material. Do not force open or burn even after use. Do not spray in eyes. Keep out of reach of children. Use only according to purpose. Only give completely emptied box in the collection of recyclable materials.

2.3 Other hazards

Other hazards that do not lead to a classification: Not applicable.

3. Composition/information on ingredients

3.2 Mixtures

Hazardous Components	Identifiers	Wt.-%	Classifcation (EU) 1272/2008
Propellant	EG : 270-681-9 CAS : 68476-40-4	100%	Flam. Gas 1, H220 Liquef. Gas, H280
See section 16 for the full wording of the above mentioned H- statements.			

At the time of creation of this data sheet no further ingredients were classified as hazardous to health or environment or were contained in concentrations that did not mandate their mention in this section.

4. First aid measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In the absence or irregular breathing, or if respiratory arrest occurs provide artificial respiration by trained personnel or oxygen. For the first person providing aid it can be dangerous to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position

and seek immediate medical attention. Maintain an open airway. Loosen tight clothing (eg. collar, tie, belt, or waistband).

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 15 minutes. Get medical attention if adverse health effects persist or are severe. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. For the first person providing aid it can be dangerous to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects
Eye contact: No known significant effects or critical hazards.
Inhalation: No known significant effects or critical hazards.
Skin contact: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.

Signs / symptoms of overexposure
Eye contact: Adverse symptoms may include the following: irritation, reddening.
Inhalation: Adverse symptoms may include: respiratory tract irritation, coughing.
Skin contact: No specific data.
Ingestion: No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Indications for the physician: Treat symptomatically. If larger amounts have been swallowed or inhaled consult specialist for poisoning.

Special treatement: No special treatment.

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture: Flammable aerosol. Fire or if heated, a pressure increase occurs and the container may burst, causing an explosion hazard. Gas may accumulate in low or confined areas or travel a considerable distance to source of ignition and spread causing a flashback with a fire or explosion. In case of fire bursting aerosol containers may fly with great speed. Runoff to sewer may create fire or explosion hazard.

Hazardous combustion products: Decomposition products may include the following materials: Carbon dioxide, carbon monoxide.

5.3 Advice for firefighters

Special precautions for fire- fighters: In case of fire the scene cordon immediately removing all persons from the danger area. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if safe to do so. Spray fire-exposed containers with water to cool.

Special protective equipment for firefighters: Fire fighters should wear proper protective equipment.

6. Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

For persons that are not emergency technicians: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Ensure adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment. Put on appropriate personal protective equipment.

For first aid personel in case of emergency: If protective equipment/clothing is needed in case of accidental release, Section 8 should be consulted for appropriate and inappropriate materials. See section 8 for further information on hygiene measures.

6.2 Environmental precautions

Avoid the proliferation and dispersal of spilled material and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Small amounts: Not applicable.

Large amounts: Noit applicable.s

6.4 Reference to other sections

See section 1 for contact information in case of emergency. See section 8 for information regarding personal protective equipment. See section 13 for further information about waste treatment/disposal.

7. Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any exposure scenario or when exposure scenarios on the available application-specific information.

7.1 Precautions for safe handling

Protective measures: Put on appropriate (see section 8) protective gear. Pressurized container. Protect from sunlight and temperatures above 50°C. Do not force open or burn even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment. Store away from heat, sparks, open flame or any other ignition sources. Empty containers retain product residue and can be dangerous.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. After use or contact with the substance immediately wash hands and face especially before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Do not store above the following temperature: 25 °C (77 °F). Store in accordance with local regulations. Store

in a separate and approved area. Protect from direct sunlight. Store in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and do not store with food and drink. Remove all sources of ignition. Use appropriate container to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations: No information available.

8. Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any exposure scenario or when exposure scenarios on the available application-specific information.

8.1 Control parameters

Occupational exposure limit values

Name of substance	Exposure limit value

Recommended monitoring procedures
If this product contains ingredients with exposure limits, monitoring procedures are personal, (related to workplace) or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and / or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Derived effect concentrations
No Derived No Effect Levels (DNEL) – values available.

Predicted effect concentrations
No Predicted No Effect Concentrations (PNEC) available.

8.2 Limitation and monitoring of exposure

Appropriate technical controls: Use only with adequate ventilation.

Personal protective measures

Hygiene measures: After handling chemical products and at the end of the working day as well as before eating, smoking and using the toilet thoroughly wash hands, forearms and face. Select appropriate techniques to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the work area.

Eye protection / face protection (EN 166): when a risk assessment indicates this is necessary, goggles should be worn that meet an approved standard to avoid exposure to liquid splashes, mists or dusts.

Hand protection (EN 374): when handling chemical products chemical-resistant, impervious gloves complying with an approved standard must be used when a risk assessment indicates this is necessary.

Skin protection (EN 14605): Before handling this product the personal protective equipment should be selected on the basis of the task and the associated risks to be carried out and approved by a specialist.

Other skin protection: Appropriate footwear and any additional skin protection measures based on the task being performed and the risks involved and should be approved by a specialist.

Respiratory protection (EN 143, 14387): With danger of inhaling: Half mask with combination filter for organic vapors and particles. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

Thermal hazards: Not applicable.

Delimitation and monitoring of the environmental exposition: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) **Appearance:** **Form:** liquefied-gas **Color:** colorless

b) **Odor:** odorless

c) **Odor threshold:** Not determined for this mixture – not relevant to classification

d) **pH:** Not applicable – product contains no water

e) **Freezing/melting point:** Not applicable – Liquefied gas under pressure

f) **Boiling point/boiling range:** Not applicable – Liquefied gas under pressure

g) **Flash point:** < 0°C

h) **Evaporation rate:** Not applicable – Liquefied gas under pressure

i) **Flammability (solid, gas):** Yes (gas)

j) **Upper/lower explosion limit:** lower 1.5 Vol%; upper 9.5 Vol%

k) **Vapor pressure:** Not applicable – Liquefied gas under pressure

l) **Relative vapor density:** Not applicable – Liquefied gas under pressure

m) **Density:** Not applicable – Liquefied gas under pressure

n) **Solubility** easily soluble in the following substances: hydrocarbon solvents

o) **partition coefficient:** n-octanol/water: Not applicable – Liquefied gas under pressure

p) **Ignition temperature:** Not determined for this product – not relevant to classification

q) **Thermal decomposition:** Not determined for this mixture – not relevant to classification

r) **Viscositiy, dynamic:** Not applicable – Liquefied gas under pressure

s) **Explosive properties:** Not determined for this mixture – not relevant to classification

t) **Oxidizing properties:** Not determined for this mixture – not relevant to classification

9.2 Other information
No further information available.

10. Stability and reactivity

10.1 Reactivity
No specific data for this product or its ingredients are available.

10.2 Chemical stability
The product is stable.

10.3 Possibility of hazardous reactions
Under normal storage conditions and under normal use will not occur dangerous reactions.

10.4 Conditions to avoid
All possible sources of ignition (spark or flame). Do not pressurize containers or cut, weld, braze, solder, drill, grind them or expose them to heat or sources of ignition.

10.5 Incompatible materials
No specific data available.

10.6 Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

11.1 Information on toxicological effects

a) acute toxicity:

Name of Substance	Result	Species	Dose	Exposition

Conclusion/Summary: Not determined for this mixture.

b) Irritation to skin; c) Irritation to eyes; d) Sensitisation

Name of Substance	Result	Species	Points	Exposition	Observation

Conclusion / Summary: No known significant effects or critical hazards.

e) Germ cell mutagenicity:
Conclusion / Summary: No known significant effects or critical hazards.

f) carcinogenicity:
Conclusion / Summary: No known significant effects or critical hazards.

g) reproductive toxicity:
Conclusion / Summary: No known significant effects or critical hazards.

h) specific target organ toxicity single exposure
Conclusion / Summary: No known significant effects or critical hazards.

i) specific target organ toxicity after repeated exposure
Conclusion / Summary: No known significant effects or critical hazards.

j) Aspiration hazard
Conclusion / Summary: No known significant effects or critical hazards.

Teratogenicity

Conclusion / Summary: No known significant effects or critical hazards.
Information on the likely routes of exposure: No known significant effects or critical hazards.

Potential acute health effects

Inhalation: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.
Skin contact: No known significant effects or critical hazards.
Eye contact: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: Adverse symptoms may include: respiratory tract irritation, coughing.
Ingestion: No specific data.
Skin contact: No specific data.
Eye contact: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects: Not determined for the mixture.
Potential delayed effects: Not determined for the mixture.

Long-term exposure

Potential immediate effects: Not determined for the mixture.
Potential delayed effects: Not determined for the mixture.

Potential chronic health effects

Conclusion / Summary: Not determined for the mixture.

General: No known significant effects or critical hazards.
Carcinogenicity: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.
Teratogenicity: No known significant effects or critical hazards.
Developmental effects: No known significant effects or critical hazards.
Fertility effects: No known significant effects or critical hazards.

Other information: Not determined for the preparation.

12. Ecological information

12.1 Toxicity

Name of substance	Result	Species	Exposition

Conclusion/Summary: Not determined for this mixture.

12.2 Persistence and degradability
Conclusion/Summary: Not determined for this mixture.

12.3 Bioaccumulative potential

Conclusion/Summary: Not determined for this mixture.

12.4 Mobility in soil

Partition coefficient ground/water (K_{OC}): Not determined for this mixture.
Mobilität: Not determined for this mixture.

12.5 Results of PBT and vPvB assessment
PBT: not applicable
vPvB: not applicable

12.6 Other adverse effects
No special effects or hazards known.

13. Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any exposure scenario or when exposure scenarios on the available application-specific information.

Waste disposal according to EC Directives on waste and hazardous waste. Waste codes should be assigned by the user, preferably in collaboration with the waste disposal authorities.

13.1 Waste treatment methods

Product
Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. Material and its container must be disposed of in a safe way. Significant quantities of waste product residue should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the environmental protection requirements and waste disposal legislation and the requirements of local authorities. Avoid the proliferation and dispersal of spilled material and contact with soil, waterways, drains and sewers.

Hazardous waste: According to the information available to the supplier at the time of creation/editing of this safety data sheet this product is regulated as hazardous waste in the sense of EU regulation 2008/98/EC.

Packaging
Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled.

Special precautions: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid the proliferation and dispersal of spilled material and contact with soil, waterways, drains and sewers.

14. Transport information

	ADR/RID	ADR/ADNR	IMDG	IATA
14.1 UN Number	1950	1950	1950	1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS, FLAMMABLE
14.3 Transport hazard class(es)	2 (5F)	2 (5F)	2.1	2.1
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
14.6 Special precautions for iuser	None.	None.	None.	None.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

Multiplier according to ADR / RID 1.1.6.3: Not applicable.

Tunnel restriction code: Not applicable.

15. Regulatory information

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

EC-Regulation Nr. 1907/2006 (REACh)

Appendix XIV - Index of substances that require permission
Substances causing special concern: None of the ingredients is listed.

Appendix XVII – Restriction of the production, the distribution, and the use of specific hazardous substances, mixtures, ans products: Not applicable.

Other EU-Regulations
Contents according to 648/2004 EC:
None.

15.2 Chemical safety assessment
This product contains substances that still require substance assessments.

16. Other information

➢ Marks the information that was changed since the last version.

Abbreviations and acronyms:

ADN/ADNR = European agreement for the international transport of hazardous materials on inland waterways
ADR = European agreement for the international transport of hazardous materials on roads
ATE = Estimation acute toxicity
BCF = Bio concentration factor
CLP = Regulation concerning the classification, labeling, and packaging Verordnung über die Einstufung, Kennzeichnung und Verpackung [Regulation (EC) No. 1272/2008]
CAS = Chemical Abstracts Services Number

DNEL = Derived Non-Effect Level
DPD = Mixture regulation [1999/45/EG]
EC = Europaean Commission
EG = EG-Nummer
EUH-Satz = CLP-specific hazard phrase
IATA = International Aviation Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods Code
LogPow = Logarithm base-10 of the n-octanol:water pertition coefficient
MARPOL 73/78 = International agreement from 1973 for the prevention of marine pollution caused by ships in the version of the protocol from 1978. ("Marpol" = marine pollution)
MAK = maximum workplace concentration
PBT = Persistent, bioacuumulating, and toxic
PNEC = Predicted No-Effect Concentration
REACH = Regultion concerning the Registration, Evauation, Approval and Restriction of Chemical Substances [Regulation (EC) No. 1907/2006]
RID = Regulation for the transport of hazardous goods by railway
REACH # = REACH Registration number
vPvB = very persistent and very bioaccumulating

Full text of the abbreviated H-phrases:

H220 Extremely flammable gas.
H280 Contains gas under pressure; may explode if heated.

Full text of the classifications [CLP/GHS]

Flam. Gas 1 = FLAMMABLE GAS - Category 1
Liquef. Gas = liquefied gas

Manufacturer of protective gloves:
KCL GmbH
Industriepark Rhön
Am Kreuzacker 9
36124 Eichenzell
Germany
Tel. +49(0)659.87-0
www.kcl.de

The information above is based on the information and experienced of the date of issue. They do not have any type of characcteristical assurance. They may not be changed or transposed to other products.

Always read and follow the instructions on the label.