

SAFETY DATA SHEET

PVC CLEANER

Product Name: PVC CLEANER
Form No: M-32380

Date: 06.08.2021
Revision Date/No: 00/00

It has been prepared in accordance with the Regulation on Safety Data Sheets Concerning Harmful Substances and Mixtures (OG 13.12.2014-29204).

1. Identification of the substance/mixture and the company/distributor;

1.1. Identity of the substance/mixture;

Product form: Mixture

Trade Name : PVC CLEANER

EC Number : Unknown

CAS Number : Unknown

1.2. Identified uses of the substance or mixture and uses advised against;

It was developed to provide cleaning, superior shine and protection on polyethylene (PE), polycarbonate, PVC and similar plastic, window, garden furniture, vinyl and leather surfaces.

When white plastic furniture is cleaned regularly, yellowing caused by the sun is prevented.

It is perfumed.

The corrosive substance does not contain alcohol or acid.

Thanks to the antistatic layer it creates, it delays dust and pollution again.

It protects the surface against UV rays, delays yellowing caused by the sun and prevents cracking.

It leaves no trace.

1.3. Safety Data Sheet supplier's information;

Manufacturer Company: Caldini Kimya San. and Tic. Ltd. Ltd.

Address : Pelitli, Sanayi Sokak, No:32 41400 Gebze Kocaeli

Telephone : +90 262 751 00 99

Fax : +90 262 751 03 99

E-mail : arge@caldini.com.tr

Contact Person : DAMLA AVCI

Product : Cleaning

Type 1.4. Emergency phone;

Caldini Chemistry : +90 262 751 00 99

Emergency phone number : 114 (Poison Information Center/ Used for local calls only.)

2. Hazards identification;

2.1. Classification of substance and mixture;

Classification in accordance with the "Regulation on Classification, Labeling and Packaging of Substances and Mixtures" (SEA) published in the Official Gazette No. 28848 dated 11 December 2013

Carc. 2H351

Skin Irrit. 2 H315

Eye Irrit. 2H319

STOT SE 3 H336

Full text of H statements; see Part 16

2.2. Label elements;

Classification in accordance with the "Regulation on Classification, Labeling and Packaging of Substances and Mixtures" (SEA) published in the Official Gazette No. 28848 dated 11 December 2013

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Hazard Label (SEA)

:

GHS07

GHS08

Signal word (SEA)

:

Danger

Hazard statements (SEA)

:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

H336 May cause drowsiness or dizziness.

Precautionary Statements (CAA)

:

P101 If medical advice is needed, keep the container or label.

P102 Keep out of reach of children.

P261 Avoid breathing vapour.

P281 Use personal protective equipment.

P403+P233 Store in a well-ventilated area. Keep container tightly closed.

P501 Dispose of contents/container in accordance with national regulations.

Hazard Statement

Precautionary Statement

P101 If medical advice is needed, keep the container or label.

P102 Keep out of reach of children.

P261 Avoid breathing vapour.

P281 Use personal protective equipment.

P403+P233 Store in a well-ventilated area. Keep container tightly closed.

P501 Dispose of contents/container in accordance with national regulations.

2.3. Other damages;

It does not contain PBT or vPvB substances.

3. Composition/information on ingredients;

3.1. Articles;

Not applicable.

3.2. Mixtures

Name of Substance	CAS Its number	EC Number %		(Repeated) Official No. 28848 dated 11 December 2013 published in the newspaper "Substances and Mixtures classification, Labeling and About Packaging Classification according to the "Regulation" (SEA)	pictograms
Dichloromethane	75-09-2	200-838-9	70- <small>one hundred</small>	Carc. 2, H351; Skin Irrit. 2, H315; Eye Irrit. 2, H319;	GHS08 Attention

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				STOT SE 3, H336	
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Full text of H phrases: see Section 16

4. First aid measures;

4.1.Explanation of first aid measures;

Inhalation: Remove the patient from the danger area, keep warm and rest. Get medical support. If breathing is difficult, use a respirator.

skin contact : Take off all contaminated clothing and shoes. Wash thoroughly with plenty of soap and water.

eye contact : Immediately lift the eyelids and rinse with plenty of water. If discomfort persists, seek medical help.

If swallowed : Do not induce vomiting. Consult your doctor immediately.

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

inhalation : May cause drowsiness and dizziness. At high concentrations, eye irritation and nausea may occur. Symptom: Restlessness.

skin contact : Skin irritation, erythema, edema and pruritus.

eye contact : Conjunctivitis may occur.

If swallowed : It may damage nutritional organs such as the esophagus. It may cause nausea, vomiting and diarrhea. In case of vomiting, pneumonopathy may occur with respiratory damage.

4.3.Indications for immediate medical attention and special treatment

Treat symptomatically.

5. Fire-fighting measures;

5.1.Fire extinguishers

Suitable : Use carbon dioxide, dry chemical and foam

Not suitable : Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards : Highly flammable vapors are heavier than air. Can reach flame sources. Vapor may form an explosive mixture with air.

Hazardous thermal decomposition: Carbon monoxide, carbon dioxide, HCl, phosgene, Products of combustion
Harmful substances such as chlorine may be released.

5.3.Recommendations for firefighting teams

For fire extinguishers: In case of insufficient ventilation, wear the necessary breathing equipment.
use it. Cool the outside of the containers with water.

6. Precautions against accidental release;

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : If spread into a closed area, clean and ventilate the area.
During the application, the personnel in charge must wear hydrocarbon protective gloves, glasses, boots and clothing. Adequate ventilation must be provided.

6.2.Environmental precautions

Environmental precautions : Prevent spillage and spread. Prevent it from spreading into sewers, drainpipes, basements and confined spaces. If spills contaminate streams or sewers, report them to authorities.

Other informations : Unknown.

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6.3. Methods and materials for preservation and cleaning

Cleaning methods : Absorb spills with inert material (e.g. dry sand, soil, diatomaceous earth, sawdust) and place in chemical waste containers. Clean the floor with water.

6.4. References to other sections

References to other sections : See also section 8.

7. Handling and storage;

7.1. Precautions for safe handling

Precautions for safe handling: Handle in well-ventilated areas. Prevent the formation of steam.

Do not breathe vapours. Avoid contact with skin and mucus layer. Handle away from sources of flame. Prevent the build-up of static electricity.

Do not smoke. Do not use compressed oxygen or air during transfer and evacuation.

Have devices to prevent the spread of fire. Use only a cold, gas-free reservoir. Pay attention to grounding. Pour slowly, especially at the beginning of the process. Do not spray at high pressures (>3bar)

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Static electricity generation should be prevented. Store away from flame and heat sources. Containers and devices must be grounded.

Keep containers closed when not in use. It should be stored in a dry, cool and dark place.

Recommended packaging : Store only in the packaging in which it was supplied.

7.3. Specific end uses

Usage: Use only as directed.

8. Exposure controls/personal protection;

8.1. Control parameters

Dichloromethane

Observed Effects	exposure	DNEL	Toxicity Type
Damage limits for workers			
Inhalation-Systemic Effects	Long-term exposure	353 mg/m ³	Repeat dose toxicity
	Acute/short term exposure	706 mg/m ³	neurotoxicity
Inhalation-Local Effects	long term exposure	No damage was seen.	
	Acute/short term exposure	No damage was seen.	
Dermal-Systemic Effects	Long-term exposure	12 mg/kg bw/day	Repeat dose toxicity
	Acute/short term exposure	-	
Dermal-Local Effects	long term exposure	No damage was seen.	
	Acute/short term exposure	No damage was seen.	
eyes		Slight toxicity.	

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Harm limits for the general population			
Inhalation-Systemic Effects Long-term exposure		88.3 mg/m3	Repeat dose toxicity
	Acute/short term exposure	353 mg/m3	neurotoxicity
Inhalation-Local Effects	long term exposure	No damage was seen.	
	Acute/short term exposure	No damage was seen.	
Dermal-Systemic Effects Long-term exposure		5.82 mg/kg bw/day Repeat Dose Toxicity	
	Acute/short term exposure	-	
Dermal-Local Effects	long term exposure	No harmful effects were observed.	
Oral-Systemic Effects	long term exposure	0.06 mg/kg bw/day Repeat Dose Toxicity	
Effects Seen	exposure	DNEL	Toxicity Type
Oral-Systemic Effects	Acute/short term exposure	No harmful effects were observed.	
eyes		No harmful effects were observed.	

8.2. Exposure controls

Engineering measures	: Provide adequate general and local ventilation. The ventilation system should be maintained and checked regularly. Observe product or ingredient exposure limits.
Hygiene measures	: General hygiene rules regarding the use of chemical substances should be applied. Wash your hands during breaks and after finishing work. Keep away from foodstuffs, drinks and meals. Remove contaminated clothing and protective equipment before entering eating areas.
Personal protective equipment	: The effectiveness of personal protective equipment depends, among other things, on temperature and degree of ventilation. Depending on the specific situation in question, be sure to seek professional support.
body protection	: Wear protective clothing, overalls or suit and similar footwear complying with standard EN 365/367 respectively 345. Suitable material: nitrile. Penetration propagation time: impermeable.
respiratory protection	: Special equipment is not required in well-ventilated areas. In poorly ventilated areas, use a ventilator.
hand protection	: Wear gloves complying with EN 374 standard. Suitable material: nitrile. ± 0.5 mm. Penetration propagation time: impermeable. Replace the glove with a new one as necessary.
eye protection	: Wear tight-fitting, chemical-protective goggles or face protection. If there is a risk of inhalation, use a full face gas mask.

9. Physical and chemical properties;

9.1. Basic physical and chemical properties

Physical Appearance: Liquid

Colour : Transparent

Smell : Characteristic

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Odor threshold value : Unknown
Flash Point (°C) (min) : Unknown
Boiling Point (°C) (min) : Unknown
Density (g/cm³) pH : 1.337 g/cm³
 : Unknown
Viscosity (cSt) : Unknown
Steam Pressure : Unknown :
Vapor density : Unknown
Solubility : Does not dissolve
Refractive index :30-32
Ignition Temperature : 605 °C

Explosion limits:

Bottom: 13 Vol %

Top: 22 Vol%

9.2. Other information

No additional information available.

10. Stability and reactivity;

10.1. Reaction

Reactivity : There is no known reactivity hazard.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of harmful reactions

reactivity : The possibility of a reaction occurring in the presence of oxidizing agents is high.

10.4. Situations to avoid

Conditions to avoid : Avoid sources of flame such as heat and sparks. When containers are heated, they may explode or burn violently due to excessive pressure. Static electricity generation should be prevented.

10.5. Substances to avoid

Materials to avoid: Oxidizing substances.

10.6. Harmful decomposition products,

Hazardous decomposition products : It does not decompose if stored and used under appropriate conditions.
Thermal decomposition or compression products may contain: Harmful gases and vapors.

11. Toxicological information;

11.1. Information about toxic effects

Article	toxicity Type	Toxicity Zone	Test Animal	Conclusion
Dichloromethane	Acute	Oral	Rat/Female-Male	LD 50: 2000 mg/kg bw
		Breathing	Mouse	LC 50: 86 mg/l
		dermal	Rat/Female-Male	LD 50: >2000 mg/kg bw
	irritation	dermal	Rabbit	There is
		Eyelash	Rabbit	There is
	Sensibility	dermal	Mouse/Female	None
	Repeat Dose	Oral	Rat/Female-Male	NOAEL; 6 mg/kg bw/day

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		Inhalation/Systemic Rat	Female-Male Mouse	NOAEC; 200ppm
	Genetic			None
	Reproductive	Breathing	Rat (Female-Male)	1500ppm

12. Ecological information;

12.1. toxicity

Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich

Short-term toxicity (fish) :LL50: 13.37 mg/l (96 hours)

Long-term toxicity (fish) :NOELR: 2992 mg/l

Short-term toxicity (s. invertebrate) :LL50: 23.35 mg/l (48 hours)

Long-term toxicity (s. invertebrate) :NOELR: 5224 mg/l (21 days)

Toxicity (Algae, cyanobacteria) :EL50: 9902 mg/l (48 hours)

Toxicity (Microorganisms) :EL50: 51.6 mg/l (48 hours)

Dichloromethane

fresh water :PNEC; 0.31mg/l

marine :PNEC; 0.031 mg/l

STP :PNEC; 26mg/l

Sediment (Fresh water) :PNEC; 2.57 mg/kg sediment dw

Sediment (Marine) :PNEC; 0.26 mg/kg sediment dw

Soil :PNEC; 0.33 mg/kg soil dw

12.2. Persistence and degradability

Permanence : Biodegradable.

12.3. Bioaccumulation potential

Bioaccumulation potential: There is no known bioaccumulation potential.

12.4. Mobility in soil

Mobility : Not applicable.

12.5. Results of PBT and vPvB assessment

PBT/vPvB values : Does not contain PBT and vPvB substances.

12.6. Other adverse effects

Other information : Not applicable.

13. Disposal information;

13.1. Waste processing methods

Product residues : Recyclable container. Do not pierce or burn, even after use. Do not dispose of empty packaging with normal household waste. Containers should be recycled or reused. Product residues and non-empty packaging should be treated as chemical waste.

Additional warning : Unknown.

European waste catalog : Dispose of hazardous waste in an official chemical waste repository in accordance with Directive 91/689/EEC under a waste law according to Commission Decision 2000/532/EC.

Local legislation : Disposal of waste must comply with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional and national requirements and must be followed.

14. Transportation information;

14.1. UN Number : UN1593

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14.2. UN proper shipping name

Proper shipping name : 1593 DICHLOROMETHANE

Proper shipping name (IMDG, IATA): UN 1593 DICHLOROMETHANE, 6.1, III



Hazard Label : 6.1

14.3. Packaging group : III

14.4. Environmental hazards

marine pollutant : NO

14.5. Special precautions for the user

Unless stated otherwise, measures applicable for safe transportation will be taken into account.

IMDG-Page : FA,SA

14.6. Public transport according to MARPOL 73/78 annex II and IBC code

Marpol: According to the instructions stated above, it is not a dangerous product.

15. Legislative knowledge;

15.1. Specific safety, health and environmental legislation for the substance or mixture

National Legislation

- TR Ministry of Environment and Urbanization, Regulation on Classification, Labeling and Packaging of Substances and Mixtures, dated 11 December 2013, No. 28848.
- TR Ministry of Environment and Urbanization, Waste Management Regulation No. 29314, dated April 2, 2015.
- TR Ministry of Labor and Social Security, Regulation on Health and Safety Measures in Working with Chemical Substances, dated 12 August 2013, numbered 28733
- TR Ministry of Labor and Social Security, Regulation on the Use of Personal Protective Equipment in Workplaces, dated July 2, 2013, numbered 28695.
- TR Ministry of Labor and Social Security, Occupational Health and Safety Law No. 6331, dated 30 June 2012

15.2. Chemical safety assessment

A chemical safety assessment has not been conducted.

16. Other information;

Abbreviations

Urm. Fog. Tok.2	:Toxic to Reproductive System, Hazard Category 2
BOT TEK. MRZ 3	:Specific Target Organ Toxicity-Single Exposure, Category 3
Asp.Tok. 1	:Aspiration Toxicity, Hazard Category 1
STOT Tech. MRZ.2	:Specific Target Organ Toxicity-Repeated Exposure, Category 2
Skin Irritation 2	:Skin Irritation, Hazard Category 2
Kans.2	:Carcinogenicity, Hazard Category 2

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LD 50 : Substance dose causing death (50% half) in the test animal group (Median Lethal Dose)

LC 50 : Substance concentration causing death in the test animal group (50% half)

ADR European agreement on the international transport of dangerous goods by road

IMDG :International maritime dangerous goods

IATA :International air transport association

ADN European agreement on the international transport of dangerous goods by intracontinental waterways

RID European agreement on the international transport of dangerous goods by rail

Merpel 73/78 International convention for the prevention of pollution from ships, dated 1973, as amended by the protocol dated 1978. IBC: International code for the construction and equipment of ships carrying hazardous bulk chemicals (International bulk chemical code)

WEL :Workplace Exposure Limit

TWA :Workplace Exposure Limits

STEL :Short Term Exposure Limit

EC Number :European Community Number

CAS :Chemical Theories Service

PBT :Persistent, Bioaccumulative and Toxic Substance

vPvB :Very Persistent, Very Bioaccumulative

DNEL :Derived Effect No Observed Period

va :Body weight

Safety Data Sheet Preparer:

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Certificate Validity Date: 24.01.2021

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