

1. SECTION: Identification of the substance or mixture and of the company

1.1 Product identifier

Trade name:	Headlight restoration fluid
SDS No.	--
Chemical description:	
CAS-No.:	75-09-2
EG-No.: 231-783-9	--
Index No.:	--
Registration-No.:	--
Chemical formula:	--

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

Relevant identified uses:

Headlight reconditioning, headlight restoration.

1.3 Details of the supplier providing the safety data sheet

KS Tools

Werkzeuge und Maschinen GmbH

Seligenstädter Grund 10–12

63150 Heusenstamm - GERMANY

customerservice@kstools.com

www.kstools.com

1.4 Emergency number, telephone number: POISON CONTROL/TRANSPORT EMERGENCY -

Germany, Austria, Switzerland, Luxembourg (24 hours)

Tel: +49 89 220 61012 / 0800 000 7801 (German, English)

Numéro d'appel d'urgence en cas d'intoxication/d'accident -

Suisse, Luxembourg (24h): Tel: ++33 1 7211 0003 (Français)

EMERGENCY NUMBER: 112

Emergency number:

EMERGENCY CONTACT – UK, UAE,

South Africa (24h): Tel: ++441865407333 (English)

TRANSPORT EMERGENCY CONTACT - UK, UAE,

South Africa (24h): Tel: ++44 1865 407333 (English)

2. SECTION: Potential hazards

2.1 Classification of the substance or mixture

Skin corrosion/irritation, Category 2

Serious eye damage/eye irritation, Category 2

Specific target organ toxicity, single exposure; anaesthetic effects, Category 3

Carcinogenicity, Category 2

Specific target organ toxicity following single exposure, Category 1

Specific target organ toxicity: repeated exposure, Category 1

2.2 Labelling element



Hazard pictograms: Signal word: **Danger**

2.3 Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H370 Causes damage to organs.

H372 Long-term or repeated exposure may cause damage to organs.

2.4 Precautionary statements

2.4.1 Prevention

P201 Obtain special instructions before use.

P202 Do not move until all safety precautions have been understood.

P260 Do not breathe dust/fume/gas/smoke/vapour/spray.

P264 Wash face and hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in well-ventilated areas.

P280 Wear protective gloves/protective clothing/eye protection/protective mask.

2.4.2 Answer

P312 If you feel unwell, call a poison control centre or doctor.

P314 If you feel unwell, seek medical advice.

P321 Specific treatment (see label).

P302+P352 If on skin: Wash with plenty of soap and water.

P304+P340 If accidentally inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

3. SECTION: Composition/information on ingredients

3.1 Substance/3.2 Mixture

Component	CAS-No.	Concentration (weight %)
Dichloromethane	75-09-2	80-90
Acrylic modified resin	--	5-10

4. SECTION: First aid measures

4.1 Description of first aid measures

General information: Immediate medical attention is required. Provide this Safety Data Sheet (SDS) to the treating physician.

Skin contact: Rinse with clean water, ensure that you are familiar with the relevant personal protective equipment, take precautions to protect yourself.

Eye contact: Rinse with running water or saline solution; seek medical attention if necessary. Inhalation: Move to fresh air, keep the airways open; consult a doctor if you feel unwell.

Ingestion: Rinse mouth, induce vomiting, seek medical attention.

Protection of first aiders: Ensure that medical personnel are informed about the substance in question. Take precautions to protect yourself and prevent the spread of contamination.

4.2 Indications for immediate medical attention or special treatment

Treat symptomatically.

Symptoms may be delayed.

5. SECTION: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water, alcohol-resistant foam, dry powder, carbon dioxide.

Unsuitable extinguishing media: No data available

5.2 Special hazards arising from the substance or mixture

No data available.

5.3 Firefighting instructions

As with any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective equipment.

Fight the fire from a safe distance and with adequate cover.

Prevent firefighting water from contaminating surface water or the groundwater system.

6. SECTION: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Emergency personnel should wear self-contained breathing apparatus with positive pressure. Wear protective clothing and antistatic clothing. Wear chemically impervious gloves.

Ensure adequate ventilation. Remove all sources of ignition.

Evacuate personnel to safe areas. Keep people away from the spill/leak and keep them upwind.

Use personal protective equipment. Avoid inhaling vapours, mists, gas or dust.

6.2 Environmental protection measures

Emissions into the environment must be avoided.

6.3 Methods and materials for containment and cleaning

Adhering or collected material should be disposed of immediately in accordance with the relevant laws and regulations. Eliminate all ignition sources. Use spark-proof tools and explosion-proof equipment.

7. SECTION: Handling and storage

7.1 Instructions for safe handling

Closed operation, full ventilation.

Operators must be specially trained and strictly adhere to operating instructions.

It is recommended that operators wear self-priming filter dust masks and chemical safety goggles.

Avoid fire, heat and smoking in the workplace.

Use explosion-proof ventilation systems and equipment.

7.2 Conditions for safe storage, taking into account incompatibilities

Store in a cool, ventilated warehouse.

Keep away from fire and heat.

It should be stored separately from oxidising agents, reducing agents, halogens, etc. and not mixed.

8. SECTION: Exposure controls/personal protection

8.1 Parameters to be monitored

Occupational exposure limits Occupational exposure limits

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Dichlormethan	Australia	50	174	-	-
	Austria	50	175	200	700
	Belgium	50	177	200	706
	European Union	100	353	200	706
	Canada-Ontario	50	-	-	-
	Canada-Quebec	50	174	-	-
	Denmark	35	122	70	244
	Finland	50	177	100	353
	France	50	178	100	356
	Germany (AGS)	50	180	100	360
	Germany (DFG)	50	180	100	360
	Hungary	-	353	-	706
	Ireland	100	353	200	706
	Israel	50	174	-	-
	Italy	50	175	100	353
	Latvia	34	120	42	150
	New Zealand	50	174	-	-
	Norway	15	50	45	150
	Poland	-	88	-	353
	Romania	100	353	200	706
	Singapore	50	174	-	-
	South Korea	50	-	-	-
	Spain	50	177	100	353
	Sweden	35	120	70	250
	Switzerland	50	177	200	706
	Netherlands	100	353	200	706
USA-OSHA	25	-	125	-	
UK	100	353	200	706	
USA-ACGIH	50	-	-	-	
Japan-JSOH	50	173	-	-	

Biological limit values: No information available

8.2 Monitoring methods

EN 14042 Workplace atmospheres. Guidance on the application and use of methods for assessing exposure to chemical and biological agents.

BZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (series standard).

8.3 Technical controls

Ensure adequate ventilation, especially in enclosed spaces.

Ensure that eye wash stations and safety showers are located near the workplace. Use explosion-proof electrical/ventilation/lighting/equipment.

Set up an emergency exit and the necessary area for risk elimination.

8.4 Individual protective measures, such as personal protective equipment:

Eye protection: Wear standard safety goggles.

Hand protection: Wear standard protective gloves.

Respiratory protection: Wear standard protective masks.

Skin and body protection: Wear standard protective clothing.

Other protective measures: Smoking, eating and drinking are prohibited on the construction site. Ensure good hygiene conditions.



9. SECTION: Physical and chemische Eigenschaften

9.1 Information on basic physical and chemical properties

Appearance: Blue liquid.

Odour: Faint odour.

PH value: No data available

Melting point/freezing point °C: No data available.

Initial boiling point and boiling range °C: No data available.

Flash point, closed cup, °C: >70.

Upper/lower explosion limit [% (v/v)]: No data available.

Vapour pressure kPa: No data available.

Vapour density air = 1: No data available.

Relative density water = 1: No data available.

Solubility: No data available.

N-octanol/water partition coefficient: No data available.

Auto-ignition temperature °C: Non-flammable.

Decomposition temperature °C: No data available.

Odour threshold: No data available.

Evaporation rate: No data available.

Flammability Solid or gas: No data available.

14. SECTION: Transport information

Special precautions for the user:

Proposal in accordance with IMO IMDG Code (2022 edition) United Nations dangerous goods number (UN No.): UN 1593 Proper UN shipping name: DICHLOROMETHANE MIXTURE UN hazard classification: 6.1

Packaging group: 3

Packaging label:



Marine pollutant (Yes/No): No

Packaging method: Pack in accordance with the manufacturer's recommendations.

Transport information: No data available.

15. SECTION: Regulatory information

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

International Chemical Inventory

Ingredient(s)	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECL	AICS
Dichloromethane	listed							
Acrylic modified	N.A.							
Resin								
Protected ingredient	N.A.							

EINECS: European Inventory of Existing Commercial Chemical Substances

TSCA: United States Toxic Substances Control Act Inventory

DSL: Canadian Domestic Substances List

IECSC: China Inventory of Existing Chemical Substances

NZIoC: New Zealand Inventory of Chemicals

PICCS: Philippines Inventory of Chemicals and Chemical Substances

KECL: Korea Existing Chemicals List

AICS: Australian Inventory of Chemical Substances

16. SECTION: Other information

Reference:

- 1: IPCS: International Chemical Safety Card (ICSC), website: <http://www.ilo.org>
- 2: IARC, website: <http://www.iarc.fr>
- 3: OECD: The Global Portal to Information on Chemical Substances, website: <http://www.echemportal.org>
- 4: CAMEO Chemicals, website: <http://cameochemicals.noaa.gov>
- 5: NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov>
- 6: EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov>
- 7: U.S. Department of Transportation:ERG, website: <http://www.phmsa.dot.gov>
- 8: Germany GESTIS Database for Hazardous Substances, website: <http://gestis-en.itrust.de>

Abbreviation:

CAS - Chemical Abstracts Service

PC-STEL - Short-term exposure limit DNEL-Derived No Effect Level

RPE - Respiratory protective equipment LC50-Lethal concentration 50%

NOEC - No Observed Effect Concentration PBT – Persistent, Bioaccumulative, Toxic BCF – Bioconcentration factor (BCF)

IMDG - International Maritime Dangerous Goods UN – United Nations

NFPA - National Fire Protection Association

CMR - Carcinogenic, mutagenic or reprotoxic substances PC-TWA - Time-weighted average

IARC - International Agency for Research on Cancer PNEC - Predicted No Effect Concentration

LD50 - Lethal Dose 50%

EC50 - Effective concentration 50%

POW - Octanol:water partition coefficient vPvB - Very persistent, very bioaccumulative

ICAO/IATA - International Civil Aviation Organisation/International Air Transport Association

ACGIH - American Conference of Governmental Industrial Hygienists OECD - Organisation for Economic Co-operation and Development

Note!

This safety data sheet has been prepared in accordance with the applicable legislation of the European Union.

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