Safety Data Sheet
acc. to OSHA HCS

Printing date 07/19/2024 *Reviewed on 07/19/2024*

1 Identification

· **Product identifier**

· **Trade name: Multicomponent Standard in Dichloromethane**

· **Article number:** WES045

· **Restrictions**
This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

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

· **Manufacturer/Supplier:**
Aqua Solutions, Inc.
6913 Highway 225
DEER PARK, TX 77536
USA
800-256-2586

· **Information department:**
Technical Coordinator
Sherman Nelson shermann@aquasolutions.org

· **Emergency telephone number:**
Chemtrec: 800-424-9300
Canutec: 613-996-6666

2 Hazard(s) identification

· **Classification of the substance or mixture**

GHS08 Health hazard

Sensitization - Respiratory 1	*H334*	*May cause allergy or asthma symptoms or breathing difficulties if inhaled.*
Carcinogenicity 1B	*H350*	*May cause cancer.*
Toxic to Reproduction 1B	*H360*	*May damage fertility or the unborn child.*

GHS07

Skin Irritation 2	*H315*	*Causes skin irritation.*
Eye Irritation 2A	*H319*	*Causes serious eye irritation.*
Sensitization - Skin 1	*H317*	*May cause an allergic skin reaction.*
Specific Target Organ Toxicity - Single Exposure 3	*H335-H336*	*May cause respiratory irritation. May cause drowsiness or dizziness.*

· **Label elements**

· **GHS label elements** *The product is classified and labeled according to the Globally Harmonized System (GHS).*

· **Hazard pictograms**

GHS07 GHS08

(Contd. on page 2)

Safety Data Sheet
acc. to OSHA HCS

Trade name: Multicomponent Standard in Dichloromethane

(Contd. of page 1)

· **Signal word** Danger

· **Hazard-determining components of labeling:**
Dichloromethane (Methylene Chloride)
3-chloro-1,2-propanediol
1-chloro-2,3-epoxypropane
Glycidol
1,2,3-Trichloropropane
1,3-dichloro-2-propanol
Methyl Isobutyl Ketone (4-Methyl-2-pentanone)
2,3-epoxypropyl isopropyl ether

· **Hazard statements**
Causes skin irritation.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
May cause cancer.
May damage fertility or the unborn child.
May cause respiratory irritation. May cause drowsiness or dizziness.

· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
[In case of inadequate ventilation] wear respiratory protection.
If on skin: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If experiencing respiratory symptoms: Call a poison center/doctor.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**

Health = 2
Fire = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = *2
Fire = 0
Reactivity = 0

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/19/2024 Reviewed on 07/19/2024

Trade name: Multicomponent Standard in Dichloromethane

(Contd. of page 2)

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

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**
· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 75-09-2	Dichloromethane (Methylene Chloride)	99.0%
CAS: 96-18-4	1,2,3-Trichloropropane	0.1%
CAS: 96-23-1	1,3-dichloro-2-propanol	0.1%
CAS: 96-24-2	3-chloro-1,2-propanediol	0.1%
CAS: 106-89-8	1-chloro-2,3-epoxypropane	0.1%
CAS: 108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-pentanone)	0.1%
CAS: 108-95-2	Phenol	0.1%
CAS: 556-52-5	Glycidol	0.1%
	2,3-epoxypropyl isopropyl ether	0.1%

· **Table of Nonhazardous Ingredients**

CAS: 78-93-3	Methyl Ethyl Ketone	0.1%
CAS: 2238-07-5	Diglycidyl Ether	0.1%

4 First-aid measures

· **Description of first aid measures**
· **General information:** Immediately remove any clothing soiled by the product.
· **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:** If symptoms persist consult doctor.
· **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
· **Special hazards arising from the substance or mixture** No further relevant information available.

(Contd. on page 4)

Safety Data Sheet
acc. to OSHA HCS

Trade name: Multicomponent Standard in Dichloromethane

(Contd. of page 3)

· **Advice for firefighters**
· **Protective equipment:** No special measures required.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Not required.
· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
· **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.
· **Protective Action Criteria for Chemicals**

· **PAC-1:**		
CAS: 75-09-2	Dichloromethane (Methylene Chloride)	200 ppm
CAS: 78-93-3	Methyl Ethyl Ketone	200 ppm
CAS: 96-18-4	1,2,3-Trichloropropane	0.015 ppm
CAS: 96-23-1	1,3-dichloro-2-propanol	0.33 ppm
CAS: 96-24-2	3-chloro-1,2-propanediol	0.011 ppm
CAS: 106-89-8	1-chloro-2,3-epoxypropane	1.7 ppm
CAS: 108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-pentanone)	75 ppm
CAS: 108-95-2	Phenol	15 ppm
CAS: 556-52-5	Glycidol	6 ppm
CAS: 2238-07-5	Diglycidyl Ether	0.77 ppm

· **PAC-2:**		
CAS: 75-09-2	Dichloromethane (Methylene Chloride)	560 ppm
CAS: 78-93-3	Methyl Ethyl Ketone	2700* ppm
CAS: 96-18-4	1,2,3-Trichloropropane	170 ppm
CAS: 96-23-1	1,3-dichloro-2-propanol	0.89 ppm
CAS: 96-24-2	3-chloro-1,2-propanediol	0.12 ppm
CAS: 106-89-8	1-chloro-2,3-epoxypropane	24 ppm
CAS: 108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-pentanone)	500 ppm
CAS: 108-95-2	Phenol	23 ppm
CAS: 556-52-5	Glycidol	83 ppm
CAS: 2238-07-5	Diglycidyl Ether	8.5 ppm

· **PAC-3:**		
CAS: 75-09-2	Dichloromethane (Methylene Chloride)	6,900 ppm
CAS: 78-93-3	Methyl Ethyl Ketone	4000* ppm
CAS: 96-18-4	1,2,3-Trichloropropane	1,000 ppm

(Contd. on page 5)

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/19/2024 Reviewed on 07/19/2024

Trade name: Multicomponent Standard in Dichloromethane

(Contd. of page 4)

CAS: 96-23-1	1,3-dichloro-2-propanol	5.4 ppm
CAS: 96-24-2	3-chloro-1,2-propanediol	5.4 ppm
CAS: 106-89-8	1-chloro-2,3-epoxypropane	72 ppm
CAS: 108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-pentanone)	3000* ppm
CAS: 108-95-2	Phenol	200 ppm
CAS: 556-52-5	Glycidol	500 ppm
CAS: 2238-07-5	Diglycidyl Ether	25 ppm

7 Handling and storage

· **Handling:**
· **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
· **Information about protection against explosions and fires:** Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** Keep receptacle tightly sealed.
· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see section 7.

· **Control parameters**
· **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

CAS: 75-09-2 Dichloromethane (Methylene Chloride)	
PEL	Short-term value: 125 ppm Long-term value: 25 ppm see 29 CFR 1910.1052
REL	See Pocket Guide App. A
TLV	Long-term value: 50 ppm BEI, A3
CAS: 96-18-4 1,2,3-Trichloropropane	
PEL	Long-term value: 300 mg/m³, 50 ppm
REL	Long-term value: 60 mg/m³, 10 ppm Skin, See Pocket Guide App. A
TLV	Long-term value: 0.005 ppm A2

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

Trade name: Multicomponent Standard in Dichloromethane

(Contd. of page 5)

CAS: 106-89-8 1-chloro-2,3-epoxypropane	
PEL	Long-term value: 19 mg/m³, 5 ppm Skin
REL	See Pocket Guide App. A
TLV	Long-term value: 0.1 ppm Skin, DSEN, A2
CAS: 108-10-1 Methyl Isobutyl Ketone (4-Methyl-2-pentanone)	
PEL	Long-term value: 410 mg/m³, 100 ppm
REL	Short-term value: 300 mg/m³, 75 ppm Long-term value: 205 mg/m³, 50 ppm
TLV	Short-term value: 75 ppm Long-term value: 20 ppm BEI, A3
CAS: 108-95-2 Phenol	
PEL	Long-term value: 19 mg/m³, 5 ppm Skin
REL	Long-term value: 19 mg/m³, 5 ppm Ceiling limit value: 60* mg/m³, 15.6* ppm *15-min; Skin
TLV	Long-term value: 5 ppm Skin; BEI, A4
CAS: 556-52-5 Glycidol	
PEL	Long-term value: 150 mg/m³, 50 ppm
REL	Long-term value: 75 mg/m³, 25 ppm
TLV	Long-term value: 2 ppm A3
2,3-epoxypropyl isopropyl ether	
PEL	Long-term value: 240 mg/m³, 50 ppm
REL	Ceiling limit value: 240* mg/m³, 50* ppm *15-min
TLV	Short-term value: 75 ppm Long-term value: 50 ppm

· **Ingredients with biological limit values:**	
CAS: 75-09-2 Dichloromethane (Methylene Chloride)	
BEI	0.3 mg/L LD50 Intraperitoneal: urine Time: end of shift LD50: Dichloromethane (semi-quantitative)
CAS: 108-10-1 Methyl Isobutyl Ketone (4-Methyl-2-pentanone)	
BEI	1 mg/L LD50 Intraperitoneal: urine Time: end of shift LD50: MIBK

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Trade name: Multicomponent Standard in Dichloromethane

(Contd. of page 6)

CAS: 108-95-2 Phenol	
BEI	250 mg/g creatinine LD50 Intraperitoneal: urine Time: end of shift LD50: Phenol with hydrolysis (background, nonspecific)

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

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
· **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
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.
· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**
· **General Information**
· **Appearance:**

Form:	Liquid
Color:	Colorless
· **Odor:**	Ether-like
· **Odor threshold:**	Not determined.

(Contd. on page 8)

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/19/2024 Reviewed on 07/19/2024

Trade name: Multicomponent Standard in Dichloromethane

(Contd. of page 7)

· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· **Flash point:**	Not applicable.
· **Flammability (solid, gaseous):**	Not applicable.
· **Auto igniting:**	605 °C (1,121 °F)
· **Decomposition temperature:**	Not determined.
· **Ignition temperature:**	Product is not selfigniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	13 Vol %
Upper:	22 Vol %
· **Vapor pressure at 20 °C (68 °F):**	453 hPa (339.8 mm Hg)
· **Density at 20 °C (68 °F):**	1.32777 g/cm³ (11.08024 lbs/gal)
· **Relative density**	Not determined.
· **Vapor density**	Not determined.
· **Evaporation rate**	Not determined.
· **Solubility in / Miscibility with**	
Water at 20 °C (68 °F):	20 g/l
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Viscosity:**	
Dynamic at 20 °C (68 °F):	0.43 mPas
Kinematic:	Not determined.
· **Solvent content:**	
Organic solvents:	99.3 %
VOC content:	0.30 % 4.0 g/l / 0.03 lb/gal
Solids content:	0.1 %
· **Other information**	No further relevant information available.

10 Stability and reactivity

· **Reactivity** No further relevant information available.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/19/2024 Reviewed on 07/19/2024

Trade name: Multicomponent Standard in Dichloromethane

(Contd. of page 8)

11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**

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

ATE (Acute Toxicity Estimate)

Oral	LD50	14,564 mg/kg
Dermal	LD50	189,571 mg/kg
Inhalative	LC50/4h	496 mg/l

· **Primary irritant effect:**
· **on the skin:** Irritant to skin and mucous membranes.
· **on the eye:** Irritating effect.
· **Sensitization:**
Sensitization possible through inhalation.
Sensitization possible through skin contact.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

CAS: 75-09-2	Dichloromethane (Methylene Chloride)	2A
CAS: 96-18-4	1,2,3-Trichloropropane	2A
CAS: 96-23-1	1,3-dichloro-2-propanol	2B
CAS: 96-24-2	3-chloro-1,2-propanediol	2B
CAS: 106-89-8	1-chloro-2,3-epoxypropane	2A
CAS: 108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-pentanone)	2B
CAS: 108-95-2	Phenol	3
CAS: 556-52-5	Glycidol	2A

· **NTP (National Toxicology Program)**

CAS: 75-09-2	Dichloromethane (Methylene Chloride)	R
CAS: 96-18-4	1,2,3-Trichloropropane	R
CAS: 106-89-8	1-chloro-2,3-epoxypropane	R
CAS: 556-52-5	Glycidol	R

· **OSHA-Ca (Occupational Safety & Health Administration)**

CAS: 75-09-2	Dichloromethane (Methylene Chloride)

12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Behavior in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.

(Contd. on page 10)

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/19/2024 Reviewed on 07/19/2024

Trade name: Multicomponent Standard in Dichloromethane

(Contd. of page 9)

· **Additional ecological information:**
· **General notes:**
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**
· **DOT, IMDG, IATA** UN2810

· **UN proper shipping name**
· **DOT** Toxic, liquids, organic, n.o.s. (Dichloromethane)
· **IMDG, IATA** TOXIC LIQUID, ORGANIC, N.O.S. (Dichloromethane)

· **Transport hazard class(es)**

· **DOT**

· **Class** 6.1 Toxic substances
· **Label** 6.1

· **IMDG, IATA**

· **Class** 6.1 Toxic substances
· **Label** 6.1

· **Packing group**
· **DOT, IMDG, IATA** III

· **Environmental hazards:** Not applicable.

· **Special precautions for user** Warning: Toxic substances
· **Hazard identification number (Kemler code):** 60

(Contd. on page 11)

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/19/2024 Reviewed on 07/19/2024

Trade name: Multicomponent Standard in Dichloromethane

(Contd. of page 10)

· **EMS Number:**	F-A,S-A
· **Stowage Category**	B
· **Stowage Code**	SW2 Clear of living quarters.
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **Transport/Additional information:**	
· **DOT**	
· **Quantity limitations**	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
· **IMDG**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **UN "Model Regulation":**	UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (DICHLOROMETHANE), 6.1, III

15 Regulatory information

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

· **Section 355 (extremely hazardous substances):**	
CAS: 106-89-8	1-chloro-2,3-epoxypropane
CAS: 108-95-2	Phenol
CAS: 2238-07-5	Diglycidyl Ether

· **Section 313 (Specific toxic chemical listings):**	
CAS: 75-09-2	Dichloromethane (Methylene Chloride)
CAS: 96-18-4	1,2,3-Trichloropropane
CAS: 96-23-1	1,3-dichloro-2-propanol
CAS: 106-89-8	1-chloro-2,3-epoxypropane
CAS: 108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-pentanone)
CAS: 108-95-2	Phenol
CAS: 556-52-5	Glycidol

· **TSCA (Toxic Substances Control Act):**
This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

Dichloromethane (Methylene Chloride)	ACTIVE
Methyl Ethyl Ketone	ACTIVE
1,2,3-Trichloropropane	ACTIVE
1,3-dichloro-2-propanol	ACTIVE
3-chloro-1,2-propanediol	ACTIVE
1-chloro-2,3-epoxypropane	ACTIVE

(Contd. on page 12)

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/19/2024 *Reviewed on 07/19/2024*

Trade name: Multicomponent Standard in Dichloromethane

(Contd. of page 11)

Methyl Isobutyl Ketone (4-Methyl-2-pentanone)	*ACTIVE*
Phenol	*ACTIVE*
Glycidol	*ACTIVE*
Diglycidyl Ether	*ACTIVE*
2,3-epoxypropyl isopropyl ether	*ACTIVE*

· **Hazardous Air Pollutants**

CAS: 75-09-2	*Dichloromethane (Methylene Chloride)*
CAS: 106-89-8	*1-chloro-2,3-epoxypropane*
CAS: 108-10-1	*Methyl Isobutyl Ketone (4-Methyl-2-pentanone)*
CAS: 108-95-2	*Phenol*

· **Proposition 65**

· **Chemicals known to cause cancer:**

CAS: 75-09-2	*Dichloromethane (Methylene Chloride)*
CAS: 96-18-4	*1,2,3-Trichloropropane*
CAS: 96-23-1	*1,3-dichloro-2-propanol*
CAS: 96-24-2	*3-chloro-1,2-propanediol*
CAS: 106-89-8	*1-chloro-2,3-epoxypropane*
CAS: 108-10-1	*Methyl Isobutyl Ketone (4-Methyl-2-pentanone)*
CAS: 556-52-5	*Glycidol*

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

CAS: 106-89-8	*1-chloro-2,3-epoxypropane*

· **Chemicals known to cause developmental toxicity:**

CAS: 108-10-1	*Methyl Isobutyl Ketone (4-Methyl-2-pentanone)*

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

CAS: 75-09-2	*Dichloromethane (Methylene Chloride)*	*L*
CAS: 78-93-3	*Methyl Ethyl Ketone*	*I*
CAS: 96-18-4	*1,2,3-Trichloropropane*	*L*
CAS: 106-89-8	*1-chloro-2,3-epoxypropane*	*B2*
CAS: 108-10-1	*Methyl Isobutyl Ketone (4-Methyl-2-pentanone)*	*I*
CAS: 108-95-2	*Phenol*	*D, I*

· **TLV (Threshold Limit Value)**

CAS: 75-09-2	*Dichloromethane (Methylene Chloride)*	*A3*
CAS: 96-18-4	*1,2,3-Trichloropropane*	*A3*
CAS: 106-89-8	*1-chloro-2,3-epoxypropane*	*A3*
CAS: 108-95-2	*Phenol*	*A4*
CAS: 556-52-5	*Glycidol*	*A3*
CAS: 2238-07-5	*Diglycidyl Ether*	*A4*

(Contd. on page 13)

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/19/2024 *Reviewed on 07/19/2024*

Trade name: Multicomponent Standard in Dichloromethane

(Contd. of page 12)

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**	
CAS: 75-09-2	Dichloromethane (Methylene Chloride)
CAS: 96-18-4	1,2,3-Trichloropropane
CAS: 106-89-8	1-chloro-2,3-epoxypropane
CAS: 2238-07-5	Diglycidyl Ether

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**

GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
Dichloromethane (Methylene Chloride)
3-chloro-1,2-propanediol
1-chloro-2,3-epoxypropane
Glycidol
1,2,3-Trichloropropane
1,3-dichloro-2-propanol
Methyl Isobutyl Ketone (4-Methyl-2-pentanone)
2,3-epoxypropyl isopropyl ether
· **Hazard statements**
Causes skin irritation.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
May cause cancer.
May damage fertility or the unborn child.
May cause respiratory irritation. May cause drowsiness or dizziness.
· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
[In case of inadequate ventilation] wear respiratory protection.
If on skin: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If experiencing respiratory symptoms: Call a poison center/doctor.

(Contd. on page 14)

Safety Data Sheet
acc. to OSHA HCS

Trade name: Multicomponent Standard in Dichloromethane

(Contd. of page 13)

Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

· **Information about limitation of use:**
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.
· **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

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.

· **Department issuing SDS:** *Environment protection department.*
· **Contact:**
Date of Preparation / Last Revision:
· **Date of preparation / last revision**
Revision 0.0, 07-19-2024: Creation date for SDS CMC/STN
07/19/2024 / -
· **Abbreviations and acronyms:**
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Skin Irritation 2: Skin corrosion/irritation – Category 2
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Sensitization - Respiratory 1: Respiratory sensitisation – Category 1
Sensitization - Skin 1: Skin sensitisation – Category 1
Carcinogenicity 1B: Carcinogenicity – Category 1B
Toxic to Reproduction 1B: Reproductive toxicity – Category 1B
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3