

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

1 Identification

· **Product identifier**

· **Trade name:** C-800

· **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.

· **Application of the substance / the mixture** For Laboratory Use Only

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

· **Manufacturer/Supplier:**

NSI Lab Solutions
 7212 ACC Blvd.,
 Raleigh, NC 27617
 USA

· **Information department:** Product safety department

· **Emergency telephone number:** During normal opening times: +1 (919) 789-3000

2 Hazard(s) identification

· **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids 2

H225

Highly flammable liquid and vapor.



GHS06 Skull and crossbones

Acute Toxicity - Inhalation 3

H331

Toxic if inhaled.



GHS08 Health hazard

Germ Cell Mutagenicity 1B

H340

May cause genetic defects.

Carcinogenicity 1A

H350

May cause cancer.

Toxic to Reproduction 1A

H360

May damage fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure 1

H370

Causes damage to the central nervous system and the visual organs.

Specific Target Organ Toxicity - Repeated Exposure 1

H372-H373

Causes damage to the peripheral nervous system through prolonged or repeated exposure. May cause damage to the central nervous system, the kidneys and the cardiovascular system through prolonged or repeated exposure.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 1)



GHS07

Eye Irritation 2A

H319

Causes serious eye irritation.

Sensitization - Skin 1

H317

May cause an allergic skin reaction.

· **Label elements**

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

· **Hazard pictograms**



GHS02



GHS06



GHS07



GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

methanol

acrylonitrile

hexan-2-one

benzene

methyl methacrylate

hexachlorobuta-1,3-diene

methyl acrylate

ethyl methacrylate

methacrylonitrile

(Z)-1,3-dichloropropene

(E)-1,3-dichloroprop-1-ene

· **Hazard statements**

Highly flammable liquid and vapor.

Toxic if inhaled.

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause genetic defects.

May cause cancer.

May damage fertility or the unborn child.

Causes damage to the central nervous system and the visual organs.

Causes damage to the peripheral nervous system through prolonged or repeated exposure. May cause damage to the central nervous system, the kidneys and the cardiovascular system through prolonged or repeated exposure.

· **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

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

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.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 2)

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

Specific treatment (see on this label).

Get medical advice/attention if you feel unwell.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Wash contaminated clothing before reuse.

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

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 = 3

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = *2

Fire = 3

Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:**

87-61-6	1,2,3-trichlorobenzene
87-68-3	hexachlorobuta-1,3-diene
120-82-1	1,2,4-trichlorobenzene

· **vPvB:**

87-68-3	hexachlorobuta-1,3-diene
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3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

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

· **Dangerous components:**

67-56-1	methanol	69.12%
67-64-1	acetone	1.0%
75-05-8	acetonitrile	1.0%
78-83-1	butanol	1.0%
78-93-3	butanone	1.0%
107-13-1	acrylonitrile	1.0%
108-10-1	4-methylpentan-2-one	1.0%
123-91-1	1,4-dioxane	1.0%

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 3)

591-78-6	hexan-2-one	1.0%
56-23-5	carbon tetrachloride	0.2%
67-66-3	trichloromethane	0.2%
71-43-2	benzene	0.2%
71-55-6	1,1,1-trichloroethane	0.2%
74-88-4	methyl iodide	0.2%
75-09-2	dichloromethane	0.2%
75-15-0	carbon disulphide	0.2%
75-27-4	bromodichloromethane	0.2%
75-35-4	1,1-dichloroethylene	0.2%
78-87-5	1,2-dichloropropane	0.2%
79-00-5	1,1,2-trichloroethane	0.2%
79-01-6	trichloroethylene	0.2%
79-34-5	1,1,2,2-tetrachloroethane	0.2%
79-46-9	2-nitropropane	0.2%
80-62-6	methyl methacrylate	0.2%
87-61-6	1,2,3-trichlorobenzene	0.2%
87-68-3	hexachlorobuta-1,3-diene	0.2%
91-20-3	naphthalene	0.2%
96-12-8	1,2-dibromo-3-chloropropane	0.2%
96-18-4	1,2,3-trichloropropane	0.2%
96-33-3	methyl acrylate	0.2%
97-63-2	ethyl methacrylate	0.2%
98-82-8	Cumene	0.2%
98-95-3	nitrobenzene	0.2%
100-41-4	ethylbenzene	0.2%
100-42-5	styrene	0.2%
103-65-1	propylbenzene	0.2%
106-46-7	1,4-dichlorobenzene	0.2%
106-93-4	1,2-dibromoethane	0.2%
107-05-1	3-chloropropene	0.2%
107-06-2	1,2-dichloroethane	0.2%
108-88-3	toluene	0.2%
109-99-9	tetrahydrofuran	0.2%
110-54-3	n-hexane	0.2%
110-57-6	(2E)-1,4-dichloro-2-butene	0.2%
120-82-1	1,2,4-trichlorobenzene	0.2%
126-98-7	methacrylonitrile	0.2%
127-18-4	tetrachloroethylene	0.2%
630-20-6	1,1,1,2-Tetrachloroethane	0.2%
10061-01-5	(Z)-1,3-dichloropropene	0.2%
10061-02-6	(E)-1,3-dichloroprop-1-ene	0.2%

(Contd. on page 5)

— US —

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 4)

· Non-hazardous components		
7732-18-5	water, distilled, conductivity or of similar purity	7.68%
60-29-7	diethyl ether	0.2%
74-95-3	dibromomethane	0.2%
74-97-5	bromochloromethane	0.2%
75-25-2	bromoform	0.2%
75-34-3	1,1-dichloroethane	0.2%
76-13-1	1,1,2-trichlorotrifluoroethane	0.2%
79-20-9	methyl acetate	0.2%
95-47-6	o-xylene	0.2%
95-49-8	2-chlorotoluene	0.2%
95-50-1	1,2-dichlorobenzene	0.2%
95-63-6	1,2,4-trimethylbenzene	0.2%
98-06-6	tert-butylbenzene	0.2%
99-87-6	p-cymene	0.2%
104-51-8	butylbenzene	0.2%
106-42-3	p-xylene	0.2%
106-43-4	4-chlorotoluene	0.2%
107-07-3	2-chloroethanol	0.2%
107-12-0	propanenitrile	0.2%
108-20-3	diisopropyl ether	0.2%
108-38-3	m-xylene	0.2%
108-67-8	mesitylene	0.2%
108-86-1	bromobenzene	0.2%
108-87-2	methylcyclohexane	0.2%
108-90-7	chlorobenzene	0.2%
110-82-7	cyclohexane	0.2%
124-48-1	dibromochloromethane	0.2%
135-98-8	sec-butylbenzene	0.2%
142-28-9	1,3-dichloropropane	0.2%
156-59-2	cis-dichloroethylene	0.2%
156-60-5	trans-dichloroethylene	0.2%
541-73-1	1,3-dichlorobenzene	0.2%
563-58-6	1,1-dichloropropene	0.2%
594-20-7	2,2-dichloropropane	0.2%
1476-11-5	cis-2,3-dichlorobut-2-ene	0.2%
1634-04-4	tert-butyl methyl ether	0.2%

4 First-aid measures

· **Description of first aid measures**

· **General information:**

Immediately remove any clothing soiled by the product.

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 5)

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Remove breathing apparatus only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After inhalation:**

Supply fresh air or oxygen; call for 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:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards arising from the substance or mixture** During heating or in case of fire poisonous gases are produced.

· **Advice for firefighters**

· **Protective equipment:** Mouth respiratory protective device.

* 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:**

Dilute with plenty of water.

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:**

67-56-1	methanol	530 ppm
67-64-1	acetone	200 ppm
75-05-8	acetonitrile	13 ppm
78-83-1	butanol	150 ppm
78-93-3	butanone	200 ppm
107-13-1	acrylonitrile	0.15 ppm
108-10-1	4-methylpentan-2-one	75 ppm
123-91-1	1,4-dioxane	17 ppm

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 6)

591-78-6	hexan-2-one	10 ppm
56-23-5	carbon tetrachloride	1.2 ppm
60-29-7	diethyl ether	500 ppm
67-66-3	trichloromethane	2.0 ppm
71-43-2	benzene	52 ppm
71-55-6	1,1,1-trichloroethane	230 ppm
74-88-4	methyl iodide	25 ppm
74-95-3	dibromomethane	3 ppm
74-97-5	bromochloromethane	600 ppm
75-09-2	dichloromethane	200 ppm
75-15-0	carbon disulphide	13 ppm
75-25-2	bromoform	1.5 ppm
75-27-4	bromodichloromethane	1.3 mg/m ³
75-34-3	1,1-dichloroethane	300 ppm
75-35-4	1,1-dichloroethylene	45 ppm
76-13-1	1,1,2-trichlorotrifluoroethane	1,250 ppm
78-87-5	1,2-dichloropropane	30 ppm
79-00-5	1,1,2-trichloroethane	30 ppm
79-01-6	trichloroethylene	130 ppm
79-20-9	methyl acetate	250 ppm
79-34-5	1,1,2,2-tetrachloroethane	3 ppm
79-46-9	2-nitropropane	30 ppm

PAC-2:

67-56-1	methanol	2100 ppm
67-64-1	acetone	3200* ppm
75-05-8	acetonitrile	50 ppm
78-83-1	butanol	1,300 ppm
78-93-3	butanone	2700* ppm
107-13-1	acrylonitrile	1.7 ppm
108-10-1	4-methylpentan-2-one	500 ppm
123-91-1	1,4-dioxane	320 ppm
591-78-6	hexan-2-one	830 ppm
56-23-5	carbon tetrachloride	13 ppm
60-29-7	diethyl ether	3200* ppm
67-66-3	trichloromethane	64 ppm
71-43-2	benzene	800 ppm
71-55-6	1,1,1-trichloroethane	600 ppm
74-88-4	methyl iodide	50 ppm
74-95-3	dibromomethane	230 mg/m ³
74-97-5	bromochloromethane	830 ppm
75-09-2	dichloromethane	560 ppm
75-15-0	carbon disulphide	160 ppm
75-25-2	bromoform	140 ppm

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 7)

75-27-4	bromodichloromethane	14 mg/m ³
75-34-3	1,1-dichloroethane	670 ppm
75-35-4	1,1-dichloroethylene	500 ppm
76-13-1	1,1,2-trichlorotrifluoroethane	3,900 ppm
78-87-5	1,2-dichloropropane	220 ppm
79-00-5	1,1,2-trichloroethane	180 ppm
79-01-6	trichloroethylene	450 ppm
79-20-9	methyl acetate	1,700 ppm
79-34-5	1,1,2,2-tetrachloroethane	120 ppm
79-46-9	2-nitropropane	380 ppm
PAC-3:		
67-56-1	methanol	7200 ppm
67-64-1	acetone	5700* ppm
75-05-8	acetonitrile	150 ppm
78-83-1	butanol	8000* ppm
78-93-3	butanone	4000* ppm
107-13-1	acrylonitrile	28 ppm
108-10-1	4-methylpentan-2-one	3000* ppm
123-91-1	1,4-dioxane	760 ppm
591-78-6	hexan-2-one	5000* ppm
56-23-5	carbon tetrachloride	340 ppm
60-29-7	diethyl ether	19000*** ppm
67-66-3	trichloromethane	3200 ppm
71-43-2	benzene	4000* ppm
71-55-6	1,1,1-trichloroethane	4200 ppm
74-88-4	methyl iodide	125 ppm
74-95-3	dibromomethane	1400 mg/m ³
74-97-5	bromochloromethane	5,000 ppm
75-09-2	dichloromethane	6900 ppm
75-15-0	carbon disulphide	480 ppm
75-25-2	bromoform	850 ppm
75-27-4	bromodichloromethane	85 mg/m ³
75-34-3	1,1-dichloroethane	4,000 ppm
75-35-4	1,1-dichloroethylene	1,000 ppm
76-13-1	1,1,2-trichlorotrifluoroethane	4,500 ppm
78-87-5	1,2-dichloropropane	2,000 ppm
79-00-5	1,1,2-trichloroethane	500 ppm
79-01-6	trichloroethylene	3800 ppm
79-20-9	methyl acetate	10000* ppm
79-34-5	1,1,2,2-tetrachloroethane	150 ppm
79-46-9	2-nitropropane	2,300 ppm

— US —

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 8)

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 ignition sources away - Do not smoke.
 Protect against electrostatic charges.
 Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
 Keep receptacle tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.
- **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.

67-56-1 methanol	
PEL	Long-term value: 260 mg/m ³ , 200 ppm
REL	Short-term value: 325 mg/m ³ , 250 ppm Long-term value: 260 mg/m ³ , 200 ppm Skin
TLV	Short-term value: 328 mg/m ³ , 250 ppm Long-term value: 262 mg/m ³ , 200 ppm Skin; BEI
67-64-1 acetone	
PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: 1187 mg/m ³ , 500 ppm Long-term value: 594 mg/m ³ , 250 ppm A4, BEI
75-05-8 acetonitrile	
PEL	Long-term value: 70 mg/m ³ , 40 ppm
REL	Long-term value: 34 mg/m ³ , 20 ppm
TLV	Long-term value: 33 mg/m ³ , 20 ppm Skin, A4

(Contd. on page 10)

— US —

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 9)

78-83-1 butanolPEL Long-term value: 300 mg/m³, 100 ppmREL Long-term value: 150 mg/m³, 50 ppmTLV Long-term value: 152 mg/m³, 50 ppm**78-93-3 butanone**PEL Long-term value: 590 mg/m³, 200 ppmREL Short-term value: 885 mg/m³, 300 ppmLong-term value: 590 mg/m³, 200 ppm

TLV Short-term value: 150 ppm

Long-term value: 75 ppm

BEI, Skin

107-13-1 acrylonitrile

PEL Long-term value: 2 ppm

Ceiling limit value: 10* ppm

*15 Min., Skin; see 29 CFR 1910.1045

REL Long-term value: 1 ppm

Ceiling limit value: 10* ppm

*15-min; Skin; See Pocket Guide App. A

TLV Long-term value: 4.3 mg/m³, 2 ppm

Skin, A3

108-10-1 4-methylpentan-2-onePEL Long-term value: 410 mg/m³, 100 ppmREL Short-term value: 300 mg/m³, 75 ppmLong-term value: 205 mg/m³, 50 ppmTLV Short-term value: 307 mg/m³, 75 ppmLong-term value: 82 mg/m³, 20 ppm

BEI, A3

123-91-1 1,4-dioxanePEL Long-term value: 360 mg/m³, 100 ppm

Skin

REL Ceiling limit value: 3.6* mg/m³, 1* ppm

*30-min; See Pocket Guide App. A

TLV Long-term value: 72 mg/m³, 20 ppm

Skin, A3

591-78-6 hexan-2-onePEL Long-term value: 410 mg/m³, 100 ppmREL Long-term value: 4 mg/m³, 1 ppmTLV Short-term value: 40 mg/m³, 10 ppmLong-term value: 20 mg/m³, 5 ppm

Skin

56-23-5 carbon tetrachloride

PEL Long-term value: 10 ppm

Ceiling limit value: 25; 200* ppm

*5-min peak in any 4 hrs

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 10)

REL	Short-term value: 12.6* mg/m ³ , 2* ppm *60-min; See Pocket Guide App. A
TLV	Short-term value: 63 mg/m ³ , 10 ppm Long-term value: 31 mg/m ³ , 5 ppm Skin, A2
67-66-3 trichloromethane	
PEL	Ceiling limit value: 240 mg/m ³ , 50 ppm
REL	Short-term value: 9.78* mg/m ³ , 2* ppm *60-min; See Pocket Guide App. A
TLV	Long-term value: 49 mg/m ³ , 10 ppm A3
71-43-2 benzene	
PEL	Short-term value: 15* mg/m ³ , 5* ppm Long-term value: 3* mg/m ³ , 1* ppm *table Z-2 for exclusions in 29CFR1910.1028(d)
REL	Short-term value: 1 ppm Long-term value: 0.1 ppm See Pocket Guide App. A
TLV	Long-term value: 0.02 ppm Skin; BEI, A1
71-55-6 1,1,1-trichloroethane	
PEL	Long-term value: 1900 mg/m ³ , 350 ppm
REL	Ceiling limit value: 1900* mg/m ³ , 350* ppm *15-min; See Pocket Guide App. C
TLV	Short-term value: 2460 mg/m ³ , 450 ppm Long-term value: 1940 mg/m ³ , 350 ppm BEI, A4
74-88-4 methyl iodide	
PEL	Long-term value: 28 mg/m ³ , 5 ppm Skin
REL	Long-term value: 10 mg/m ³ , 2 ppm Skin; See Pocket Guide App. A
TLV	Long-term value: 12 mg/m ³ , 2 ppm Skin
75-09-2 dichloromethane	
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: 174 mg/m ³ , 50 ppm BEI, A3
75-15-0 carbon disulphide	
PEL	Long-term value: 20 ppm Ceiling limit value: 30; 100* ppm *30-min peak per 8-hr shift
REL	Short-term value: 30 mg/m ³ , 10 ppm Long-term value: 3 mg/m ³ , 1 ppm Skin

(Contd. on page 12)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 11)

TLV	Long-term value: 3.13 mg/m ³ , 1 ppm Skin, BEI, A4
75-35-4 1,1-dichloroethylene	
REL	See Pocket Guide App.A
TLV	Long-term value: 20 mg/m ³ , 5 ppm A4
78-87-5 1,2-dichloropropane	
PEL	Long-term value: 350 mg/m ³ , 75 ppm
REL	See Pocket Guide App. A
TLV	Long-term value: 46 mg/m ³ , 10 ppm DSEN, A4
79-00-5 1,1,2-trichloroethane	
PEL	Long-term value: 45 mg/m ³ , 10 ppm Skin
REL	Long-term value: 45 mg/m ³ , 10 ppm Skin; See Pocket Guide Apps.A and C
TLV	Long-term value: 55 mg/m ³ , 10 ppm Skin, A3
79-01-6 trichloroethylene	
PEL	Long-term value: 100 ppm Ceiling limit value: 200; 300* ppm *5-min peak in any 2 hrs
REL	See Pocket Guide Apps. A and C
TLV	Short-term value: 135 mg/m ³ , 25 ppm Long-term value: 54 mg/m ³ , 10 ppm BEI, A2
79-34-5 1,1,2,2-tetrachloroethane	
PEL	Long-term value: 35 mg/m ³ , 5 ppm Skin
REL	Long-term value: 7 mg/m ³ , 1 ppm Skin; See Pocket Guide Apps. A and C
TLV	Long-term value: 6.9 mg/m ³ , 1 ppm Skin, A3
79-46-9 2-nitropropane	
PEL	Long-term value: 90 mg/m ³ , 25 ppm
REL	See Pocket Guide App. A
TLV	Long-term value: 36 mg/m ³ , 10 ppm A3
80-62-6 methyl methacrylate	
PEL	Long-term value: 410 mg/m ³ , 100 ppm
REL	Long-term value: 410 mg/m ³ , 100 ppm
TLV	Short-term value: 410 mg/m ³ , 100 ppm Long-term value: 205 mg/m ³ , 50 ppm DSEN, A4

(Contd. on page 13)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 12)

87-68-3 hexachlorobuta-1,3-diene	
REL	Long-term value: 0.24 mg/m ³ , 0.02 ppm Skin; See Pocket Guide App. A
TLV	Long-term value: 0.21 mg/m ³ , 0.02 ppm Skin, A3
91-20-3 naphthalene	
PEL	Long-term value: 50 mg/m ³ , 10 ppm
REL	Short-term value: 75 mg/m ³ , 15 ppm Long-term value: 50 mg/m ³ , 10 ppm
TLV	Long-term value: 52 mg/m ³ , 10 ppm Skin; BEI, A3
96-12-8 1,2-dibromo-3-chloropropane	
PEL	Long-term value: 0.001 ppm see 29 CFR 1910.1044
REL	See Pocket Guide App. A
96-18-4 1,2,3-trichloropropane	
PEL	Long-term value: 300 mg/m ³ , 50 ppm
REL	Long-term value: 60 mg/m ³ , 10 ppm Skin, See Pocket Guide App. A
TLV	Long-term value: 0.03 mg/m ³ , 0.005 ppm A2
96-33-3 methyl acrylate	
PEL	Long-term value: 35 mg/m ³ , 10 ppm Skin
REL	Long-term value: 35 mg/m ³ , 10 ppm Skin
TLV	Long-term value: 7 mg/m ³ , 2 ppm Skin; DSEN, A4
98-82-8 Cumene	
PEL	Long-term value: 245 mg/m ³ , 50 ppm Skin
REL	Long-term value: 245 mg/m ³ , 50 ppm Skin
TLV	Long-term value: 25 mg/m ³ , 5 ppm A3
98-95-3 nitrobenzene	
PEL	Long-term value: 5 mg/m ³ , 1 ppm Skin
REL	Long-term value: 5 mg/m ³ , 1 ppm Skin
TLV	Long-term value: 5 mg/m ³ , 1 ppm Skin; BEIm, A3

(Contd. on page 14)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 13)

Ingredients with biological limit values:	
67-56-1 methanol	
BEI	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)
67-64-1 acetone	
BEI	25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
78-93-3 butanone	
BEI	2 mg/L Medium: urine Time: end of shift Parameter: Methyl ethyl ketone (nonspecific)
108-10-1 4-methylpentan-2-one	
BEI	1 mg/L Medium: urine Time: end of shift Parameter: Methyl isobutyl ketone
71-43-2 benzene	
BEI	25 µg/g creatinine Medium: urine Time: end of shift Parameter: S-Phenylmercapturic acid (background 500 µg/g creatinine Medium: urine Time: end of shift Parameter: t,t-Muconic acid (background)
71-55-6 1,1,1-trichloroethane	
BEI	20 ppm Medium: end-exhaled air Time: prior to shift at end of workweek Parameter: Methyl chloroform 700 µg/L Medium: urine Time: end of shift Parameter: Methyl chloroform
75-09-2 dichloromethane	
BEI	0.3 mg/L Medium: urine Time: end of shift Parameter: Dichloromethane (semi-quantitative)
75-15-0 carbon disulphide	
BEI	0.5 mg/g creatinine Medium: urine Time: end of shift Parameter: 2-Thioxothiazolidine-4-carboxylic acid (TCCA)

(Contd. on page 15)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 14)

79-01-6 trichloroethylene

BEI 15 mg/L
 Medium: urine
 Time: end of shift at end of workweek
 Parameter: Trichloroacetic acid (nonspecific)

0.5 mg/L
 Medium: blood
 Time: end of shift at end of workweek
 Parameter: Trichloroethanol without hydrolysis (nonspecific)

-
 Medium: blood
 Time: end of shift at end of workweek
 Parameter: Trichloroethylene (semi-quantitative)

-
 Medium: end-exhaled air
 Time: end of shift at end of workweek
 Parameter: Trichloroethylene (semi-quantitative)

91-20-3 naphthalene

BEI -
 Medium: -
 Time: end of shift
 Parameter: 1-Naphthol with hydrolysis + 2-Naphthol with hydrolysis (Nq,Ns)

98-95-3 nitrobenzene

BEI 5 % of hemoglobin
 Medium: blood
 Time: during or end of shift
 Parameter: Methemoglobin (background, non-specific)

100-41-4 ethylbenzene

BEI 0.15 g/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)

100-42-5 styrene

BEI 150 mg/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: Mandelic acid plus phenylglyoxylic acid (non-specific)

20 µg/L
 Medium: urine
 Time: end of shift
 Parameter: Styrene

(Contd. on page 16)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 15)

108-88-3 toluene	
BEI	0.02 mg/L Medium: blood Time: prior to last shift of workweek Parameter: Toluene 0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene 0.3 mg/g creatinine Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background)
110-54-3 n-hexane	
BEI	0.5 mg/L Medium: urine Time: end of shift Parameter: 2,5-Hexanedione without hydrolysis
127-18-4 tetrachloroethylene	
BEI	3 ppm Medium: end-exhaled air Time: prior to shift Parameter: Tetrachloroethylene 0.5 mg/L Medium: blood Time: prior to shift Parameter: Tetrachloroethylene

· **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.

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.

(Contd. on page 17)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 16)

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: Fluid

Color: According to product specification

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 64.7 °C (148.5 °F)

· **Flash point:** 11 °C (51.8 °F)

· **Flammability:** Highly flammable.

· **Auto igniting:** 455 °C (851 °F)

· **Decomposition temperature:** Not determined.

· **Ignition temperature:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

Lower: 5.5 Vol %

Upper: 44 Vol %

· **Vapor pressure at 20 °C (68 °F):** 128 hPa (96 mm Hg)

· **Density:** Not determined.

· **Relative density** Not determined.

· **Vapor density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

Water: Fully miscible.

· **Partition coefficient (n-octanol/water):** Not determined.

(Contd. on page 18)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 17)

· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	81.7 %
Water:	7.7 %
VOC content:	79.72 %
	797.2 g/l / 6.65 lb/gal
Solids content:	0.4 %
· 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.

* 11 Toxicological information

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

· LD/LC50 values that are relevant for classification:		
ATE (Acute Toxicity Estimate)		
Oral	LD50	7,583 mg/kg (rat)
Dermal	LD50	20,833 mg/kg (rabbit)
Inhalative	LC50/4 h	4.3–4.31 mg/l
67-56-1 methanol		
Oral	LD50	5,628 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)
67-64-1 acetone		
Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rabbit)
75-05-8 acetonitrile		
Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)
78-83-1 butanol		
Oral	LD50	2,460 mg/kg (rat)
Dermal	LD50	3,400 mg/kg (rabbit)
78-93-3 butanone		
Oral	LD50	3,300 mg/kg (rat)

(Contd. on page 19)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 18)

Dermal	LD50	5,000 mg/kg (rabbit)
107-13-1 acrylonitrile		
Oral	LD50	78 mg/kg (rat)
Dermal	LD50	250 mg/kg (rabbit)
Inhalative	LC50/4 h	425 mg/l (rat)
108-10-1 4-methylpentan-2-one		
Oral	LD50	2,080 mg/kg (rat)
Dermal	LD50	16,000 mg/kg (rab)
Inhalative	LC50/4 h	11 mg/l (ATE) 8.3–16.6 mg/l (rat)
123-91-1 1,4-dioxane		
Oral	LD50	5,700 mg/kg (mouse)
Dermal	LD50	7,600 mg/kg (rabbit)
Inhalative	LC50/4 h	46 mg/l (rat)
591-78-6 hexan-2-one		
Oral	LD50	2,590 mg/kg (rat)
Dermal	LD50	4,800 mg/kg (rabbit)
56-23-5 carbon tetrachloride		
Oral	LD50	2,350 mg/kg (rat)
Dermal	LD50	5,070 mg/kg (rat)
67-66-3 trichloromethane		
Oral	LD50	908 mg/kg (rat)
Dermal	LD50	75 mg/kg (rat)
71-43-2 benzene		
Oral	LD50	4,894 mg/kg (rat)
Dermal	LD50	48 mg/kg (mouse)
Inhalative	LC50/4 h	9,980 mg/l (mouse)
71-55-6 1,1,1-trichloroethane		
Oral	LD50	10,300 mg/kg (rat)
75-09-2 dichloromethane		
Oral	LD50	1,600 mg/kg (rat)
Inhalative	LC50/4 h	88 mg/l (rat)
75-15-0 carbon disulphide		
Oral	LD50	3,188 mg/kg (rat)
75-35-4 1,1-dichloroethylene		
Inhalative	LC50/4 h	6,350 mg/l (mouse)
78-87-5 1,2-dichloropropane		
Oral	LD50	2,196 mg/kg (rat)
Dermal	LD50	8,750 mg/kg (rabbit)
79-01-6 trichloroethylene		
Oral	LD50	2,402 mg/kg (mouse)
Dermal	LD50	8,450 mg/kg (mouse)

(Contd. on page 20)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 19)

79-34-5 1,1,2,2-tetrachloroethane		
Oral	LD50	800 mg/kg (rat)
79-46-9 2-nitropropane		
Oral	LD50	720 mg/kg (rat)
80-62-6 methyl methacrylate		
Oral	LD50	7,872 mg/kg (rat)
91-20-3 naphthalene		
Oral	LD50	490 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rat)
96-12-8 1,2-dibromo-3-chloropropane		
Oral	LD50	170 mg/kg (rat)
Dermal	LD50	1,420 mg/kg (rat)
96-18-4 1,2,3-trichloropropane		
Oral	LD50	320 mg/kg (rat)
Dermal	LD50	1,770 mg/kg (rabbit)
96-33-3 methyl acrylate		
Oral	LD50	500 mg/kg (ATE) 277 mg/kg (rat)
Dermal	LD50	1,100 mg/kg (ATE) 1,243 mg/kg (rabbit)
Inhalative	LC50/4 h	3 mg/l (ATE)
97-63-2 ethyl methacrylate		
Oral	LD50	14,800 mg/kg (rat)
98-82-8 Cumene		
Oral	LD50	1,400 mg/kg (rat)
Dermal	LD50	12,300 mg/kg (rabbit)
Inhalative	LC50/4 h	24.7 mg/l (mouse)
98-95-3 nitrobenzene		
Oral	LD50	780 mg/kg (rat)
100-41-4 ethylbenzene		
Oral	LD50	3,500 mg/kg (rat)
Dermal	LD50	17,800 mg/kg (rabbit)
100-42-5 styrene		
Oral	LD50	5,000 mg/kg (rat)
Inhalative	LC50/4 h	24 mg/l (rat)
103-65-1 propylbenzene		
Oral	LD50	6,040 mg/kg (rat)
106-46-7 1,4-dichlorobenzene		
Oral	LD50	500 mg/kg (rat)
106-93-4 1,2-dibromoethane		
Oral	LD50	108 mg/kg (rat)
Dermal	LD50	300 mg/kg (rabbit)

(Contd. on page 21)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 20)

107-05-1 3-chloropropene		
Oral	LD50	700 mg/kg (rat)
Dermal	LD50	2,066 mg/kg (rabbit)
107-06-2 1,2-dichloroethane		
Oral	LD50	670 mg/kg (rat)
Dermal	LD50	2,800 mg/kg (rat)
108-88-3 toluene		
Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	5,320 mg/l (mouse)
109-99-9 tetrahydrofuran		
Oral	LD50	2,500 mg/kg (rat)
120-82-1 1,2,4-trichlorobenzene		
Oral	LD50	756 mg/kg (rat)
126-98-7 methacrylonitrile		
Oral	LD50	120 mg/kg (rat)
Dermal	LD50	320 mg/kg (rabbit)
127-18-4 tetrachloroethylene		
Oral	LD50	2,629 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** Irritating effect.

- **Sensitization:** Sensitization possible through skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Toxic

Irritant

The product can cause inheritable damage.

- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
107-13-1	acrylonitrile	1
108-10-1	4-methylpentan-2-one	2B
123-91-1	1,4-dioxane	2B
56-23-5	carbon tetrachloride	2B
67-66-3	trichloromethane	2B
71-43-2	benzene	1
71-55-6	1,1,1-trichloroethane	2A
74-88-4	methyl iodide	3
75-09-2	dichloromethane	2A
75-25-2	bromoform	3
75-27-4	bromodichloromethane	2B
75-35-4	1,1-dichloroethylene	2B
78-87-5	1,2-dichloropropane	1
79-00-5	1,1,2-trichloroethane	3

(Contd. on page 22)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 21)

79-01-6	trichloroethylene	I
79-34-5	1,1,2,2-tetrachloroethane	2B
79-46-9	2-nitropropane	2B
80-62-6	methyl methacrylate	3
87-68-3	hexachlorobuta-1,3-diene	3
91-20-3	naphthalene	2B
95-47-6	o-xylene	3
95-50-1	1,2-dichlorobenzene	3
96-12-8	1,2-dibromo-3-chloropropane	2B
96-18-4	1,2,3-trichloropropane	2A
96-33-3	methyl acrylate	2B
98-82-8	Cumene	2B
98-95-3	nitrobenzene	2B
100-41-4	ethylbenzene	2B
100-42-5	styrene	2A
106-42-3	p-xylene	3

· NTP (National Toxicology Program)

107-13-1	acrylonitrile	R
123-91-1	1,4-dioxane	R
56-23-5	carbon tetrachloride	R
67-66-3	trichloromethane	R
71-43-2	benzene	K
75-09-2	dichloromethane	R
75-27-4	bromodichloromethane	R
79-01-6	trichloroethylene	K
79-46-9	2-nitropropane	R
91-20-3	naphthalene	R
96-12-8	1,2-dibromo-3-chloropropane	R
96-18-4	1,2,3-trichloropropane	R
98-82-8	Cumene	R
98-95-3	nitrobenzene	R
100-42-5	styrene	R
106-46-7	1,4-dichlorobenzene	R
106-93-4	1,2-dibromoethane	R
107-06-2	1,2-dichloroethane	R
127-18-4	tetrachloroethylene	R

· OSHA-Ca (Occupational Safety & Health Administration)

107-13-1	acrylonitrile	
71-43-2	benzene	
75-09-2	dichloromethane	
96-12-8	1,2-dibromo-3-chloropropane	

US

(Contd. on page 23)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 22)

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.
- **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:	
87-61-6	1,2,3-trichlorobenzene
87-68-3	hexachlorobuta-1,3-diene
120-82-1	1,2,4-trichlorobenzene

· vPvB:	
87-68-3	hexachlorobuta-1,3-diene

- **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.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· UN-Number	
· DOT, IMDG, IATA	not regulated
· UN proper shipping name	
· DOT, IMDG, IATA	not regulated
· Transport hazard class(es)	
· DOT, ADN, IMDG, IATA	
· Class	not regulated
· Packing group	
· DOT, IMDG, IATA	not regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.

(Contd. on page 24)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 23)

· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	not regulated

*15 Regulatory information

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

This product contains Trichloroethylene (CAS No. 79-01-6), which is subject to risk management restrictions under the U.S. Toxic Substances Control Act (TSCA) Section 6(a), per EPA's final rule published on March 19, 2024 (89 FR 19446; 40 CFR Part 751, Subpart C).

Effective June 16, 2025, domestic manufacture, import, processing, and distribution in commerce of trichloroethylene are prohibited, except for specific conditions of use and time-limited exemptions. This product is intended solely for use as a laboratory reference standard. Laboratory uses essential for research and development and quality control are permitted under the TSCA exemption for laboratory use (40 CFR 751.407(e)(6)), and may continue until December 18, 2074. Users must ensure that this product is used exclusively in laboratory settings, in accordance with applicable federal, state, and local regulations.

· **Sara**

· **Section 355 (extremely hazardous substances):**

107-13-1	acrylonitrile
67-66-3	trichloromethane
75-15-0	carbon disulphide
75-34-3	1,1-dichloroethane
98-95-3	nitrobenzene
107-07-3	2-chloroethanol
107-12-0	propanenitrile
110-57-6	(2E)-1,4-dichloro-2-butene
126-98-7	methacrylonitrile

· **Section 313 (Specific toxic chemical listings):**

67-56-1	methanol
75-05-8	acetonitrile
107-13-1	acrylonitrile
108-10-1	4-methylpentan-2-one
123-91-1	1,4-dioxane
56-23-5	carbon tetrachloride
67-66-3	trichloromethane
71-43-2	benzene
71-55-6	1,1,1-trichloroethane
74-88-4	methyl iodide
74-95-3	dibromomethane
75-09-2	dichloromethane
75-15-0	carbon disulphide
75-25-2	bromoform
75-27-4	bromodichloromethane
75-34-3	1,1-dichloroethane

(Contd. on page 25)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 24)

75-35-4	1,1-dichloroethylene
76-13-1	1,1,2-trichlorotrifluoroethane
78-87-5	1,2-dichloropropane
79-00-5	1,1,2-trichloroethane
79-01-6	trichloroethylene
79-34-5	1,1,2,2-tetrachloroethane
79-46-9	2-nitropropane
80-62-6	methyl methacrylate
87-61-6	1,2,3-trichlorobenzene
87-68-3	hexachlorobuta-1,3-diene
91-20-3	naphthalene
95-47-6	o-xylene
95-50-1	1,2-dichlorobenzene
95-63-6	1,2,4-trimethylbenzene

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.

67-56-1	methanol	ACTIVE
7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
67-64-1	acetone	ACTIVE
75-05-8	acetonitrile	ACTIVE
78-83-1	butanol	ACTIVE
78-93-3	butanone	ACTIVE
107-13-1	acrylonitrile	ACTIVE
108-10-1	4-methylpentan-2-one	ACTIVE
123-91-1	1,4-dioxane	ACTIVE
591-78-6	hexan-2-one	ACTIVE
56-23-5	carbon tetrachloride	ACTIVE
60-29-7	diethyl ether	ACTIVE
67-66-3	trichloromethane	ACTIVE
71-43-2	benzene	ACTIVE
71-55-6	1,1,1-trichloroethane	ACTIVE
74-88-4	methyl iodide	ACTIVE
74-95-3	dibromomethane	ACTIVE
74-97-5	bromochloromethane	ACTIVE
75-09-2	dichloromethane	ACTIVE
75-15-0	carbon disulphide	ACTIVE
75-25-2	bromoform	ACTIVE
75-27-4	bromodichloromethane	ACTIVE
75-34-3	1,1-dichloroethane	ACTIVE
75-35-4	1,1-dichloroethylene	ACTIVE
76-13-1	1,1,2-trichlorotrifluoroethane	ACTIVE
78-87-5	1,2-dichloropropane	ACTIVE

(Contd. on page 26)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 25)

79-00-5	1,1,2-trichloroethane	ACTIVE
79-01-6	trichloroethylene	ACTIVE
79-20-9	methyl acetate	ACTIVE
79-34-5	1,1,2,2-tetrachloroethane	ACTIVE

· Hazardous Air Pollutants

67-56-1	methanol
75-05-8	acetonitrile
107-13-1	acrylonitrile
108-10-1	4-methylpentan-2-one
123-91-1	1,4-dioxane
56-23-5	carbon tetrachloride
67-66-3	trichloromethane
71-43-2	benzene
71-55-6	1,1,1-trichloroethane
74-88-4	methyl iodide
75-09-2	dichloromethane
75-15-0	carbon disulphide
75-25-2	bromoform
75-34-3	1,1-dichloroethane
75-35-4	1,1-dichloroethylene
78-87-5	1,2-dichloropropane
79-00-5	1,1,2-trichloroethane
79-01-6	trichloroethylene
79-34-5	1,1,2,2-tetrachloroethane
79-46-9	2-nitropropane
80-62-6	methyl methacrylate
87-68-3	hexachlorobuta-1,3-diene
91-20-3	naphthalene
95-47-6	o-xylene
96-12-8	1,2-dibromo-3-chloropropane
98-82-8	Cumene
98-95-3	nitrobenzene
100-41-4	ethylbenzene
100-42-5	styrene
106-42-3	p-xylene

· Proposition 65**· Chemicals known to cause cancer:**

107-13-1	acrylonitrile
108-10-1	4-methylpentan-2-one
123-91-1	1,4-dioxane
56-23-5	carbon tetrachloride
67-66-3	trichloromethane
71-43-2	benzene

(Contd. on page 27)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 26)

71-55-6	1,1,1-trichloroethane
74-88-4	methyl iodide
75-09-2	dichloromethane
75-25-2	bromoform
75-27-4	bromodichloromethane
75-34-3	1,1-dichloroethane
75-35-4	1,1-dichloroethylene
78-87-5	1,2-dichloropropane
79-00-5	1,1,2-trichloroethane
79-01-6	trichloroethylene
79-34-5	1,1,2,2-tetrachloroethane
79-46-9	2-nitropropane
87-68-3	hexachlorobuta-1,3-diene
91-20-3	naphthalene
96-12-8	1,2-dibromo-3-chloropropane
96-18-4	1,2,3-trichloropropane
96-33-3	methyl acrylate
98-82-8	Cumene
98-95-3	nitrobenzene
100-41-4	ethylbenzene
100-42-5	styrene
106-46-7	1,4-dichlorobenzene
106-93-4	1,2-dibromoethane
107-06-2	1,2-dichloroethane

· Chemicals known to cause reproductive toxicity for females:

75-15-0	carbon disulphide
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· Chemicals known to cause reproductive toxicity for males:

591-78-6	hexan-2-one
71-43-2	benzene
75-15-0	carbon disulphide
79-01-6	trichloroethylene
96-12-8	1,2-dibromo-3-chloropropane
98-95-3	nitrobenzene
106-93-4	1,2-dibromoethane
110-54-3	n-hexane

· Chemicals known to cause developmental toxicity:

67-56-1	methanol
108-10-1	4-methylpentan-2-one
591-78-6	hexan-2-one
67-66-3	trichloromethane
71-43-2	benzene
75-15-0	carbon disulphide
79-01-6	trichloroethylene

(Contd. on page 28)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 27)

106-93-4	1,2-dibromoethane
108-88-3	toluene

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

67-64-1	acetone	I
75-05-8	acetonitrile	CBD, D
78-93-3	butanone	I
107-13-1	acrylonitrile	B1
108-10-1	4-methylpentan-2-one	I
123-91-1	1,4-dioxane	L
591-78-6	hexan-2-one	II
56-23-5	carbon tetrachloride	L
67-66-3	trichloromethane	B2, L, NL
71-43-2	benzene	A, K/L
71-55-6	1,1,1-trichloroethane	II
74-97-5	bromochloromethane	D
75-09-2	dichloromethane	L
75-25-2	bromoform	B2
75-27-4	bromodichloromethane	B2
75-34-3	1,1-dichloroethane	C
75-35-4	1,1-dichloroethylene	C, S (inh.), I (oral)
79-00-5	1,1,2-trichloroethane	C
79-01-6	trichloroethylene	CaH
79-34-5	1,1,2,2-tetrachloroethane	L
80-62-6	methyl methacrylate	E, NL
87-68-3	hexachlorobuta-1,3-diene	C
91-20-3	naphthalene	C, CBD
95-47-6	o-xylene	I
95-50-1	1,2-dichlorobenzene	D
95-63-6	1,2,4-trimethylbenzene	II
96-18-4	1,2,3-trichloropropane	L
96-33-3	methyl acrylate	D
98-82-8	Cumene	D, CBD
98-95-3	nitrobenzene	L

· **TLV (Threshold Limit Value)**

67-64-1	acetone	A4
75-05-8	acetonitrile	A4
107-13-1	acrylonitrile	A3
123-91-1	1,4-dioxane	A3
56-23-5	carbon tetrachloride	A2
67-66-3	trichloromethane	A3
71-43-2	benzene	A1

(Contd. on page 29)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 28)

71-55-6	1,1,1-trichloroethane	A4
75-09-2	dichloromethane	A3
75-15-0	carbon disulphide	A4
75-25-2	bromoform	A3
75-34-3	1,1-dichloroethane	A4
75-35-4	1,1-dichloroethylene	A4
76-13-1	1,1,2-trichlorotrifluoroethane	A4
78-87-5	1,2-dichloropropane	A4
79-00-5	1,1,2-trichloroethane	A3
79-01-6	trichloroethylene	A2
79-34-5	1,1,2,2-tetrachloroethane	A3
79-46-9	2-nitropropane	A3
80-62-6	methyl methacrylate	A4
87-68-3	hexachlorobuta-1,3-diene	A3
91-20-3	naphthalene	A4
95-47-6	o-xylene	A4
95-50-1	1,2-dichlorobenzene	A4
96-18-4	1,2,3-trichloropropane	A3
96-33-3	methyl acrylate	A4
98-95-3	nitrobenzene	A3
100-41-4	ethylbenzene	A3
100-42-5	styrene	A4
106-42-3	p-xylene	A4

· NIOSH-Ca (National Institute for Occupational Safety and Health)

107-13-1	acrylonitrile	
123-91-1	1,4-dioxane	
56-23-5	carbon tetrachloride	
67-66-3	trichloromethane	
71-43-2	benzene	
74-88-4	methyl iodide	
75-09-2	dichloromethane	
75-35-4	1,1-dichloroethylene	
78-87-5	1,2-dichloropropane	
79-00-5	1,1,2-trichloroethane	
79-01-6	trichloroethylene	
79-34-5	1,1,2,2-tetrachloroethane	
79-46-9	2-nitropropane	
87-68-3	hexachlorobuta-1,3-diene	
96-12-8	1,2-dibromo-3-chloropropane	
96-18-4	1,2,3-trichloropropane	
106-46-7	1,4-dichlorobenzene	
106-93-4	1,2-dibromoethane	
107-06-2	1,2-dichloroethane	

(Contd. on page 30)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 29)

127-18-4 tetrachloroethylene

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

· **Hazard pictograms**



GHS02 GHS06 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

methanol

acrylonitrile

hexan-2-one

benzene

methyl methacrylate

hexachlorobuta-1,3-diene

methyl acrylate

ethyl methacrylate

methacrylonitrile

(Z)-1,3-dichloropropene

(E)-1,3-dichloroprop-1-ene

· **Hazard statements**

Highly flammable liquid and vapor.

Toxic if inhaled.

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause genetic defects.

May cause cancer.

May damage fertility or the unborn child.

Causes damage to the central nervous system and the visual organs.

Causes damage to the peripheral nervous system through prolonged or repeated exposure. May cause damage to the central nervous system, the kidneys and the cardiovascular system through prolonged or repeated exposure.

· **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

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

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.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

Specific treatment (see on this label).

(Contd. on page 31)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/25/2025

Reviewed on 11/25/2025

Trade name: C-800

(Contd. of page 30)

Get medical advice/attention if you feel unwell.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Wash contaminated clothing before reuse.

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

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:** - Department Technical Manager

· **Date of preparation / last revision** 11/25/2025 / -

· **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

Flammable Liquids 2: Flammable liquids – Category 2

Acute Toxicity - Inhalation 3: Acute toxicity – Category 3

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Sensitization - Skin 1: Skin sensitisation – Category 1

Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B

Carcinogenicity 1A: Carcinogenicity – Category 1A

Toxic to Reproduction 1A: Reproductive toxicity – Category 1A

Specific Target Organ Toxicity - Single Exposure 1: Specific target organ toxicity (single exposure) – Category 1

Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1

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