Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

1 Identification

· **Product identifier**

· **Trade name: Residual Solvents Mixture 35 (CRM)**
· **Other means of identification**

· **Article number:** 9004781
· **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**
This product is for research use - Not for human or veterinary diagnostic or therapeutic use.

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Cayman Chemical Co.
1180 E. Ellsworth Rd.
Ann Arbor, MI 48108
USA

· **Information department:** Product safety department
· **Emergency telephone number:**
During normal opening times: +1 (734) 971-3335
US/CANADA: 800-424-9300
Outside US/CANADA: 703-741-5970

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 - oral 3	H301 Toxic if swallowed.
Acute toxicity - dermal 3	H311 Toxic in contact with skin.
Acute toxicity - inhalation 3	H331 Toxic if inhaled.


GHS08 Health hazard

Carcinogenicity 1A	H350 May cause cancer.

(Contd. on page 2)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 1)

Reproductive toxicity 1B	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.

GHS07

Ozone 1	H420 Harms public health and the environment by destroying ozone in the upper atmosphere

· **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
N,N-Dimethylformamide
styrene
carbon tetrachloride
· **Hazard statements**

H225	Highly flammable liquid and vapor.
H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled.
H350	May cause cancer.
H360	May damage fertility or the unborn child.
H370	Causes damage to the central nervous system and the visual organs.
H420	Harms public health and the environment by destroying ozone in the upper atmosphere

· **Precautionary statements**

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground / bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharge.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
P330	Rinse mouth.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 2)

P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a poison center/doctor if you feel unwell.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use CO2, powder or water spray to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
P502	Refer to manufacturer/supplier for information on recovery/recycling

· **Information pertaining to particular dangers for man and environment:**
· **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:** Not applicable.
· **vPvB:** Not applicable.
· **Classification according to (d)(1)(ii) of § 1910.1200**
The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.
· **Hazards not otherwise classified**
There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

3 Composition/information on ingredients

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

· **Dangerous components:**

CAS: 67-56-1 RTECS: PC1400000	Methanol	96.2%
CAS: 68-12-2 RTECS: LQ2100000	N,N-Dimethylformamide	0.15%
CAS: 56-23-5 RTECS: FG 4900000	carbon tetrachloride	0.1%
CAS: 67-66-3 RTECS: FS9100000	Chloroform	0.1%
CAS: 71-55-6	1,1,1-trichloroethane	0.1%
CAS: 75-09-2 RTECS: PA8050000	Dichloromethane	0.1%

(Contd. on page 4)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 3)

CAS: 75-15-0	carbon disulphide	0.1%
CAS: 75-35-4 RTECS: KV 9275000	1,1-dichloroethylene	0.1%
CAS: 78-59-1 RTECS: GW 7700000	3,5,5-trimethylcyclohex-2-enone	0.1%
CAS: 79-01-6	trichloroethylene	0.1%
CAS: 100-40-3 RTECS: GW 6650000	4-vinylcyclohexene	0.1%
CAS: 100-41-4 RTECS: DA 0700000	ethylbenzene	0.1%
CAS: 100-42-5 RTECS: WL 3675000	styrene	0.1%
CAS: 106-46-7 RTECS: CZ 4550000	1,4-dichlorobenzene	0.1%
CAS: 108-88-3 RTECS: XS 5250000	toluene	0.1%
CAS: 108-95-2 RTECS: SJ3325000	Phenol	0.1%
CAS: 109-86-4 RTECS: KL 5775000	2-methoxyethanol	0.1%
CAS: 110-54-3 RTECS: MN9275000	Hexane	0.1%
CAS: 110-80-5 RTECS: KK 8050000	2-ethoxyethanol	0.1%
CAS: 111-15-9 RTECS: KK 8225000	2-ethoxyethyl acetate	0.1%
CAS: 123-91-1 RTECS: JG 8225000	1,4-dioxane	0.1%
CAS: 127-18-4	tetrachloroethylene	0.1%
CAS: 1634-04-4 RTECS: KN 5250000	tert-butyl methyl ether	0.1%

· **Other ingredients**

CAS: 107-21-1 RTECS: KW 2975000	ethanediol	0.5%
CAS: 67-63-0 RTECS: NT8050000	Isopropyl alcohol	0.1%
CAS: 95-47-6 RTECS: ZE 2450000	o-xylene	0.1%
CAS: 106-42-3 RTECS: ZE 2625000	p-xylene	0.1%
CAS: 107-98-2 RTECS: UB 7700000	1-methoxy-2-propanol	0.1%
CAS: 108-38-3 RTECS: ZE 2275000	m-xylene	0.1%
CAS: 108-90-7 RTECS: CZ 0175000	chlorobenzene	0.1%
CAS: 109-66-0 RTECS: RZ 9450000	pentane	0.1%

(Contd. on page 5)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 4)

CAS: 544-76-3	hexadecane	0.1%
CAS: 629-78-7	Heptadecane	0.1%
CAS: 4994-16-5	4-Phenyl-1-cyclohexene	0.1%
CAS: 71-43-2 RTECS: CY1400000	Benzene	0.025%
CAS: 91-20-3	naphthalene	0.025%

4 First-aid measures

· **Description of first aid measures**
· **General information:**
Immediately remove any clothing soiled by the product.
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. Then consult a doctor.
· **After swallowing:** Do not induce vomiting; immediately call for medical help.
· **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**
67-56-1During 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.

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 5)

· **Protective Action Criteria for Chemicals**

· **PAC-1:**		
67-56-1	Methanol	530 ppm
107-21-1	ethanediol	50 ppm
68-12-2	N,N-Dimethylformamide	2.0 ppm
56-23-5	carbon tetrachloride	1.2 ppm
67-63-0	Isopropyl alcohol	400 ppm
67-66-3	Chloroform	2.0 ppm
71-55-6	1,1,1-trichloroethane	230 ppm
75-09-2	Dichloromethane	200 ppm
75-15-0	carbon disulphide	13 ppm
75-35-4	1,1-dichloroethylene	45 ppm
78-59-1	3,5,5-trimethylcyclohex-2-enone	12 ppm
79-01-6	trichloroethylene	130 ppm
100-40-3	4-vinylcyclohexene	0.3 ppm
100-41-4	ethylbenzene	33 ppm
100-42-5	styrene	20 ppm
106-46-7	1,4-dichlorobenzene	30 ppm
107-98-2	1-methoxy-2-propanol	100 ppm
108-38-3	m-xylene	130 ppm
108-88-3	toluene	67 ppm
108-90-7	chlorobenzene	10 ppm
108-95-2	Phenol	15 ppm
109-66-0	pentane	3000* ppm
109-86-4	2-methoxyethanol	0.3 ppm
110-54-3	Hexane	400 ppm
110-80-5	2-ethoxyethanol	15 ppm
111-15-9	2-ethoxyethyl acetate	15 ppm
123-91-1	1,4-dioxane	17 ppm
127-18-4	tetrachloroethylene	35 ppm
544-76-3	hexadecane	35 mg/m³
629-78-7	Heptadecane	4.3 ppm

· **PAC-2:**		
67-56-1	Methanol	2100 ppm
107-21-1	ethanediol	400 ppm
68-12-2	N,N-Dimethylformamide	91 ppm
56-23-5	carbon tetrachloride	13 ppm
67-63-0	Isopropyl alcohol	2000* ppm
67-66-3	Chloroform	64 ppm
71-55-6	1,1,1-trichloroethane	600 ppm
75-09-2	Dichloromethane	560 ppm
75-15-0	carbon disulphide	160 ppm
75-35-4	1,1-dichloroethylene	500 ppm
78-59-1	3,5,5-trimethylcyclohex-2-enone	33 ppm

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 6)

79-01-6	trichloroethylene	450 ppm
100-40-3	4-vinylcyclohexene	210 ppm
100-41-4	ethylbenzene	1100 ppm
100-42-5	styrene	130 ppm
106-46-7	1,4-dichlorobenzene	170 ppm
107-98-2	1-methoxy-2-propanol	160 ppm
108-38-3	m-xylene	920 ppm
108-88-3	toluene	560 ppm
108-90-7	chlorobenzene	150 ppm
108-95-2	Phenol	23 ppm
109-66-0	pentane	33000*** ppm
109-86-4	2-methoxyethanol	14 ppm
110-54-3	Hexane	2900 ppm
110-80-5	2-ethoxyethanol	1,000 ppm
111-15-9	2-ethoxyethyl acetate	420 ppm
123-91-1	1,4-dioxane	320 ppm
127-18-4	tetrachloroethylene	230 ppm
544-76-3	hexadecane	380 mg/m³
629-78-7	Heptadecane	48 ppm

· **PAC-3:**

67-56-1	Methanol	7200 ppm
107-21-1	ethanediol	670 ppm
68-12-2	N,N-Dimethylformamide	530 ppm
56-23-5	carbon tetrachloride	340 ppm
67-63-0	Isopropyl alcohol	12000** ppm
67-66-3	Chloroform	3200 ppm
71-55-6	1,1,1-trichloroethane	4200 ppm
75-09-2	Dichloromethane	6900 ppm
75-15-0	carbon disulphide	480 ppm
75-35-4	1,1-dichloroethylene	1,000 ppm
78-59-1	3,5,5-trimethylcyclohex-2-enone	200 ppm
79-01-6	trichloroethylene	3800 ppm
100-40-3	4-vinylcyclohexene	340 ppm
100-41-4	ethylbenzene	1800 ppm
100-42-5	styrene	1100 ppm
106-46-7	1,4-dichlorobenzene	1,000 ppm
107-98-2	1-methoxy-2-propanol	660 ppm
108-38-3	m-xylene	2500* ppm
108-88-3	toluene	3700 ppm
108-90-7	chlorobenzene	400 ppm
108-95-2	Phenol	200 ppm
109-66-0	pentane	200000 ppm
109-86-4	2-methoxyethanol	2000* ppm
110-54-3	Hexane	8600 ppm

(Contd. on page 8)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 7)

110-80-5	2-ethoxyethanol	6000* ppm
111-15-9	2-ethoxyethyl acetate	2500* ppm
123-91-1	1,4-dioxane	760 ppm
127-18-4	tetrachloroethylene	1200 ppm
544-76-3	hexadecane	2,800 mg/m³
629-78-7	Heptadecane	290 ppm

· **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.

7 Handling and storage

· **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:** Store in accordance with information listed on the product insert.
· **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

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**	
67-56-1 Methanol	
PEL	Long-term value: 260 mg/m³, 200 ppm
REL	Short-term value: 325 mg/m³, 250 ppm Long-term value: 260 mg/m³, 200 ppm Skin
TLV	Short-term value: 328 mg/m³, 250 ppm Long-term value: 262 mg/m³, 200 ppm Skin; BEI
68-12-2 N,N-Dimethylformamide	
PEL	Long-term value: 30 mg/m³, 10 ppm Skin
REL	Long-term value: 30 mg/m³, 10 ppm Skin

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 8)

TLV	Long-term value: 15 mg/m³, 5 ppm Skin; BEI, A3
56-23-5 carbon tetrachloride	
PEL	Long-term value: 10 ppm Ceiling limit value: 25; 200* ppm *5-min peak in any 4 hrs
REL	Short-term value: 12.6* mg/m³, 2* ppm *60-min;See Pocket Guide App. A
TLV	Short-term value: 63 mg/m³, 10 ppm Long-term value: 31 mg/m³, 5 ppm Skin, A2
67-66-3 Chloroform	
PEL	Ceiling limit value: 240 mg/m³, 50 ppm
REL	Short-term value: 9.78* mg/m³, 2* ppm *60-min; See Pocket Guide App. A
TLV	Long-term value: 49 mg/m³, 10 ppm A3
71-55-6 1,1,1-trichloroethane	
PEL	Long-term value: 1900 mg/m³, 350 ppm
REL	Ceiling limit value: 1900* mg/m³, 350* ppm *15-min; See Pocket Guide App. C
TLV	Short-term value: 2460 mg/m³, 450 ppm Long-term value: 1940 mg/m³, 350 ppm BEI, A4
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/m³, 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/m³, 10 ppm Long-term value: 3 mg/m³, 1 ppm Skin
TLV	Long-term value: 3.13 mg/m³, 1 ppm Skin, BEI, A4
75-35-4 1,1-dichloroethylene	
REL	See Pocket Guide App.A
TLV	Long-term value: 20 mg/m³, 5 ppm A4
78-59-1 3,5,5-trimethylcyclohex-2-enone	
PEL	Long-term value: 140 mg/m³, 25 ppm
REL	Long-term value: 23 mg/m³, 4 ppm

(Contd. on page 10)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 9)

TLV	Ceiling limit value: 28 mg/m³, 5 ppm 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/m³, 25 ppm Long-term value: 54 mg/m³, 10 ppm BEI, A2
100-40-3 4-vinylcyclohexene	
TLV	Long-term value: 0.44 mg/m³, 0.1 ppm A3
WEEL	Long-term value: 4.4 mg/m³, 1 ppm
100-41-4 ethylbenzene	
PEL	Long-term value: 435 mg/m³, 100 ppm
REL	Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm
TLV	Long-term value: 20 ppm OTO, BEI, A3
100-42-5 styrene	
PEL	Long-term value: 100 ppm Ceiling limit value: 200; 600* ppm *5-min peak in any 3 hrs
REL	Short-term value: 425 mg/m³, 100 ppm Long-term value: 215 mg/m³, 50 ppm
TLV	Short-term value: 20 ppm Long-term value: 10 ppm BEI, OTO, A3
106-46-7 1,4-dichlorobenzene	
PEL	Long-term value: 450 mg/m³, 75 ppm
REL	See Pocket Guide App. A
TLV	Long-term value: 60 mg/m³, 10 ppm A3
108-88-3 toluene	
PEL	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm
TLV	Long-term value: 20 ppm BEI, OTO, A4
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

(Contd. on page 11)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 10)

TLV	Long-term value: 19 mg/m³, 5 ppm Skin; BEI, A4
109-86-4 2-methoxyethanol	
PEL	Long-term value: 80 mg/m³, 25 ppm Skin
REL	Long-term value: 0.3 mg/m³, 0.1 ppm Skin
TLV	Long-term value: 0.3 mg/m³, 0.1 ppm Skin; BEI
WEEL	Skin; B
110-54-3 Hexane	
PEL	Long-term value: 1800 mg/m³, 500 ppm
REL	Long-term value: 180 mg/m³, 50 ppm
TLV	Long-term value: 176 mg/m³, 50 ppm Skin; BEI
110-80-5 2-ethoxyethanol	
PEL	Long-term value: 740 mg/m³, 200 ppm Skin
REL	Long-term value: 1.8 mg/m³, 0.5 ppm Skin
TLV	Long-term value: 18 mg/m³, 5 ppm Skin; BEI
111-15-9 2-ethoxyethyl acetate	
PEL	Long-term value: 540 mg/m³, 100 ppm Skin
REL	Long-term value: 2.7 mg/m³, 0.5 ppm Skin
TLV	Long-term value: 27 mg/m³, 5 ppm Skin; BEI
123-91-1 1,4-dioxane	
PEL	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
127-18-4 tetrachloroethylene	
PEL	Long-term value: 100 ppm Ceiling limit value: 200; 300* ppm *5-min peak in any 3 hrs
REL	Minimize workplace exp. concs.;Pocket Guide App. A
TLV	Short-term value: 685 mg/m³, 100 ppm Long-term value: 170 mg/m³, 25 ppm BEI, A3
1634-04-4 tert-butyl methyl ether	
TLV	Long-term value: 180 mg/m³, 50 ppm A3

(Contd. on page 12)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 11)

· **Ingredients with biological limit values:**

67-56-1 Methanol	
BEI	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)
68-12-2 N,N-Dimethylformamide	
BEI	30 mg/L Medium: urine Time: end of shift Parameter: Total N-Methylformamide (sum of N-Methylformamide and N-(Hydroxymethyl)-N-Methylformamide 30 mg/L Medium: urine Time: end of shift at end of workweek Parameter: N-Acetyl-S-(N-methylcarbamoyl) cysteine
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 13)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 12)

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)
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
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)

(Contd. on page 14)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 13)

108-95-2 Phenol	
BEI	250 mg/g creatinine Medium: urine Time: end of shift Parameter: Phenol with hydrolysis (background, nonspecific)
109-86-4 2-methoxyethanol	
BEI	1 mg/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: 2-Methoxyacetic acid
110-54-3 Hexane	
BEI	0.5 mg/L Medium: urine Time: end of shift Parameter: 2.5-Hexanedione without hydrolysis
110-80-5 2-ethoxyethanol	
BEI	40 mg/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: 2-Ethoxyacetic acid
111-15-9 2-ethoxyethyl acetate	
BEI	41 mg/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: 2-Ethoxyacetic acid
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**
· **Appropriate engineering controls** No further data; see section 7.
· **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.

(Contd. on page 15)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 14)

· **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

9 Physical and chemical properties

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

· **Physical state**	Liquid
· **Color:**	According to product specification
· **Odor:**	Alcohol-like
· **Storage Buffer**	
· **Odor threshold:**	Not determined.
· **Formulation**	A solution in methanol
· **Melting point/Melting range:**	-98 °C (-144.4 °F)
· **Boiling point/Boiling range:**	64.7 °C (148.5 °F)
· **Flammability:**	Highly flammable.
· **Explosion limits:**	
· **Lower:**	5.5 Vol %
· **Upper:**	44 Vol %
· **Flash point:**	9.7 °C (49.5 °F)
· **Auto igniting:**	455 °C (851 °F)
· **Decomposition temperature:**	Not determined.
· **pH-value:**	Not determined.
· **Viscosity:**	
· **Kinematic:**	Not determined.
· **SOLUBILITY**	
· **Dynamic:**	Not determined.
· **Solubility in / Miscibility with**	
· **Water at 20 °C (68 °F):**	1000 g/l
· **Partition coefficient (n-octanol/water):**	Not determined.

(Contd. on page 16)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 15)

· **Vapor pressure at 20 °C (68 °F):**	128 hPa (96 mm Hg)
· **Vapor pressure:**	
· **Density at 20 °C (68 °F):**	0.79955 g/cm³ (6.67224 lbs/gal)
· **Relative density**	Not determined.
· **Vapor density**	Not determined.
· **Particle characteristics**	Not applicable.
· **Other information**	
· **Appearance:**	
· **Form:**	Liquid
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Product is not selfigniting.
· **Danger of explosion:**	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· **Solvent content:**	
· **Organic solvents:**	98.4 %
· **VOC content:**	98.13 % 784.6 g/l / 6.55 lb/gal
· **Solids content:**	0.3 %
· **Change in condition**	
· **Evaporation rate**	Not determined.

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

· **RTECS Number**

68-12-2	N,N-Dimethylformamide	LQ2100000
67-63-0	Isopropyl alcohol	NT8050000

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

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

ATE (Acute Toxicity Estimate)

Oral	LD50	104 mg/kg (rat)
Dermal	LD50	311 mg/kg (rabbit)
Inhalative	LC50/4 h	3.19 mg/l (rat)

(Contd. on page 17)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 16)

67-56-1 Methanol		
Oral	LD50	100.1 mg/kg (rat) (Expert judgment) Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) Symptoms: Nausea, Vomiting
Dermal	LD50	300.1 mg/kg (rabbit) (Expert judgment) Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)
Inhalative	LC50/4 h	3.1 mg/l (rat) (Expert judgment) Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) Symptoms: Irritation symptoms in the respiratory tract.
68-12-2 N,N-Dimethylformamide		
Oral	LD50	2,900 mg/kg (mouse)
		2,800 mg/kg (rat)
Dermal	LD50	>3,200 mg/kg (rat)
		4,720 mg/kg (rabbit)
Inhalative	LC50/4 h	9,400 mg/l (mouse)
	Intraperitoneal LD50	1,400 mg/kg (rat)
	Subcutaneous LD50	3,800 mg/kg (rat)
56-23-5 carbon tetrachloride		
Oral	LD50	2,350 mg/kg (rat)
Dermal	LD50	5,070 mg/kg (rat)
67-66-3 Chloroform		
Oral	LD50	908 mg/kg (rat) OECD Test Guideline 401
Inhalative	LC50/4 h	3.1 mg/l (rat) Expert judgment
71-55-6 1,1,1-trichloroethane		
Oral	LD50	10,300 mg/kg (rat)
75-09-2 Dichloromethane		
Oral	LD50	>2,000 mg/kg (rat) OECD Test Guideline 401
Dermal	LD50	>2,000 mg/kg (rat) OECD Test Guideline 402
Inhalative	LC50/4 h	86 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)
78-59-1 3,5,5-trimethylcyclohex-2-enone		
Oral	LD50	2,330 mg/kg (rat)
Dermal	LD50	1,500 mg/kg (rabbit)

(Contd. on page 18)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 17)

79-01-6 trichloroethylene		
Oral	LD50	2,402 mg/kg (mouse)
Dermal	LD50	8,450 mg/kg (mouse)
100-40-3 4-vinylcyclohexene		
Oral	LD50	2,563 mg/kg (rat)
Dermal	LD50	16,640 mg/kg (rabbit)
Inhalative	LC50/4 h	27 mg/l (mouse)
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)
106-46-7 1,4-dichlorobenzene		
Oral	LD50	500 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)
108-95-2 Phenol		
Oral	LDLO	140 mg/kg (human)
	LD50	317 mg/kg (rat)
Dermal	LD50	850 mg/kg (rabbit)
	Intraperitoneal LD50	127 mg/kg (rat)
109-86-4 2-methoxyethanol		
Oral	LD50	3,400 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	1,500 mg/l (rat)
110-54-3 Hexane		
Oral	LD50	16,000 mg/kg (rat)
Dermal	LD50	>3,350 mg/kg (rabbit)
Inhalative	LC50	>17,600 mg/m³ (rat)
110-80-5 2-ethoxyethanol		
Oral	LD50	3,000 mg/kg (rat)
Dermal	LD50	3,300 mg/kg (rabbit)
Inhalative	LC50/4 h	2,000 mg/l (rat)
111-15-9 2-ethoxyethyl acetate		
Oral	LD50	≤3,900 mg/kg (rat)
Dermal	LD50	10,300 mg/kg (rabbit)
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)

(Contd. on page 19)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 18)

127-18-4 tetrachloroethylene		
Oral	LD50	2,629 mg/kg (rat)
1634-04-4 tert-butyl methyl ether		
Oral	LD50	4,000 mg/kg (rat)
Dermal	LD50	1,000 mg/kg (rabbit)
Inhalative	LC50/4 h	142 mg/l (rat)

· **Primary irritant effect:**
· **on the skin:** No irritant effect.
· **on the eye:** No irritating effect.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Toxic
· **Interactive effects** No interactive effects between components are known.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**		
68-12-2	N,N-Dimethylformamide	2A
56-23-5	carbon tetrachloride	2B
67-63-0	Isopropyl alcohol	3
67-66-3	Chloroform	2B
71-55-6	1,1,1-trichloroethane	2A
75-09-2	Dichloromethane	2A
75-35-4	1,1-dichloroethylene	2B
78-59-1	3,5,5-trimethylcyclohex-2-enone	2B
79-01-6	trichloroethylene	1
95-47-6	o-xylene	3
100-40-3	4-vinylcyclohexene	2B
100-41-4	ethylbenzene	2B
100-42-5	styrene	2A
106-42-3	p-xylene	3
106-46-7	1,4-dichlorobenzene	2B
108-38-3	m-xylene	3
108-88-3	toluene	3
108-95-2	Phenol	3
123-91-1	1,4-dioxane	2B
127-18-4	tetrachloroethylene	2A
1634-04-4	tert-butyl methyl ether	3
71-43-2	Benzene	1
91-20-3	naphthalene	2B

· **NTP (National Toxicology Program)**		
56-23-5	carbon tetrachloride	R
67-66-3	Chloroform	R
75-09-2	Dichloromethane	R
79-01-6	trichloroethylene	K

(Contd. on page 20)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 19)

100-42-5	styrene	R
106-46-7	1,4-dichlorobenzene	R
123-91-1	1,4-dioxane	R
127-18-4	tetrachloroethylene	R
71-43-2	Benzene	K
91-20-3	naphthalene	R

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

75-09-2	Dichloromethane
71-43-2	Benzene

· **Alternative sources for toxicological information**
No non-standard sources for toxicological information where used.

12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects**
· **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.

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** UN1992

· **UN proper shipping name**
· **DOT** Flammable liquids, toxic, n.o.s. (Methanol)
· **IMDG** FLAMMABLE LIQUID, TOXIC, N.O.S. (Methanol)

(Contd. on page 21)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 20)

· **IATA**	Flammable liquid, toxic, n.o.s. (Methanol)
· **Transport hazard class(es)**	
· **DOT**	
	
· **Class**	3 Flammable liquids
· **Label**	3, 6.1
· **IMDG**	
	
· **Class**	3 Flammable liquids
· **Label**	3/6.1
· **IATA**	
	
· **Class**	3 Flammable liquids
· **Label**	3 (6.1)
· **Packing group**	
· **DOT, IMDG, IATA**	II
· **Environmental hazards:**	Not applicable.
· **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: 1 L On cargo aircraft only: 60 L
· **IMDG**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· **IATA**	
· **Remarks:**	When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.
· **Special precautions for user**	Warning: Flammable liquids

(Contd. on page 22)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 21)

· **Hazard identification number (Kemler code):**	336
· **EMS Number:**	F-E,S-D
· **Stowage Category**	B
· **Stowage Code**	SW2 Clear of living quarters.
· **UN "Model Regulation":**	UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL), 3 (6.1), II

15 Regulatory information

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

· **Section 355 (extremely hazardous substances):**	
67-66-3	Chloroform
75-15-0	carbon disulphide
108-95-2	Phenol

· **Section 313 (Specific toxic chemical listings):**	
67-56-1	Methanol
107-21-1	ethanediol
68-12-2	N,N-Dimethylformamide
56-23-5	carbon tetrachloride
67-63-0	Isopropyl alcohol
67-66-3	Chloroform
71-55-6	1,1,1-trichloroethane
75-09-2	Dichloromethane
75-15-0	carbon disulphide
75-35-4	1,1-dichloroethylene
79-01-6	trichloroethylene
95-47-6	o-xylene
100-41-4	ethylbenzene
100-42-5	styrene
106-42-3	p-xylene
106-46-7	1,4-dichlorobenzene
108-38-3	m-xylene
108-88-3	toluene
108-90-7	chlorobenzene
108-95-2	Phenol
109-86-4	2-methoxyethanol
110-54-3	Hexane
110-80-5	2-ethoxyethanol
111-15-9	2-ethoxyethyl acetate
123-91-1	1,4-dioxane
127-18-4	tetrachloroethylene
1634-04-4	tert-butyl methyl ether
71-43-2	Benzene

(Contd. on page 23)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 22)

91-20-3	naphthalene

· **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
107-21-1	ethanediol	ACTIVE
68-12-2	N,N-Dimethylformamide	ACTIVE
56-23-5	carbon tetrachloride	ACTIVE
67-63-0	Isopropyl alcohol	ACTIVE
67-66-3	Chloroform	ACTIVE
71-55-6	1,1,1-trichloroethane	ACTIVE
75-09-2	Dichloromethane	ACTIVE
75-15-0	carbon disulphide	ACTIVE
75-35-4	1,1-dichloroethylene	ACTIVE
78-59-1	3,5,5-trimethylcyclohex-2-enone	ACTIVE
79-01-6	trichloroethylene	ACTIVE
95-47-6	o-xylene	ACTIVE
100-40-3	4-vinylcyclohexene	ACTIVE
100-41-4	ethylbenzene	ACTIVE
100-42-5	styrene	ACTIVE
106-42-3	p-xylene	ACTIVE
106-46-7	1,4-dichlorobenzene	ACTIVE
107-98-2	1-methoxy-2-propanol	ACTIVE
108-38-3	m-xylene	ACTIVE
108-88-3	toluene	ACTIVE
108-90-7	chlorobenzene	ACTIVE
108-95-2	Phenol	ACTIVE
109-66-0	pentane	ACTIVE
109-86-4	2-methoxyethanol	ACTIVE
110-54-3	Hexane	ACTIVE
110-80-5	2-ethoxyethanol	ACTIVE
111-15-9	2-ethoxyethyl acetate	ACTIVE
123-91-1	1,4-dioxane	ACTIVE
127-18-4	tetrachloroethylene	ACTIVE

· **Hazardous Air Pollutants**	
67-56-1	Methanol
107-21-1	ethanediol
68-12-2	N,N-Dimethylformamide
56-23-5	carbon tetrachloride
67-66-3	Chloroform
71-55-6	1,1,1-trichloroethane
75-09-2	Dichloromethane
75-15-0	carbon disulphide
75-35-4	1,1-dichloroethylene

(Contd. on page 24)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 23)

78-59-1	3,5,5-trimethylcyclohex-2-enone
79-01-6	trichloroethylene
95-47-6	o-xylene
100-41-4	ethylbenzene
100-42-5	styrene
106-42-3	p-xylene
106-46-7	1,4-dichlorobenzene
108-38-3	m-xylene
108-88-3	toluene
108-90-7	chlorobenzene
108-95-2	Phenol
110-54-3	Hexane
123-91-1	1,4-dioxane
127-18-4	tetrachloroethylene
1634-04-4	tert-butyl methyl ether
71-43-2	Benzene
91-20-3	naphthalene

· **Chemicals known to cause cancer:**	
68-12-2	N,N-Dimethylformamide
56-23-5	carbon tetrachloride
67-66-3	Chloroform
71-55-6	1,1,1-trichloroethane
75-09-2	Dichloromethane
75-35-4	1,1-dichloroethylene
79-01-6	trichloroethylene
100-40-3	4-vinylcyclohexene
100-41-4	ethylbenzene
100-42-5	styrene
106-46-7	1,4-dichlorobenzene
123-91-1	1,4-dioxane
127-18-4	tetrachloroethylene
71-43-2	Benzene
91-20-3	naphthalene

· **Chemicals known to cause reproductive toxicity for females:**	
75-15-0	carbon disulphide
100-40-3	4-vinylcyclohexene

· **Chemicals known to cause reproductive toxicity for males:**	
75-15-0	carbon disulphide
79-01-6	trichloroethylene
109-86-4	2-methoxyethanol
110-54-3	Hexane
110-80-5	2-ethoxyethanol
111-15-9	2-ethoxyethyl acetate
71-43-2	Benzene

(Contd. on page 25)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 24)

· **Chemicals known to cause developmental toxicity:**	
67-56-1	Methanol
107-21-1	ethanediol
67-66-3	Chloroform
75-15-0	carbon disulphide
79-01-6	trichloroethylene
108-88-3	toluene
109-86-4	2-methoxyethanol
110-80-5	2-ethoxyethanol
111-15-9	2-ethoxyethyl acetate
71-43-2	Benzene

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**		
56-23-5	carbon tetrachloride	L
67-66-3	Chloroform	B2, L, NL
71-55-6	1,1,1-trichloroethane	II
75-09-2	Dichloromethane	L
75-35-4	1,1-dichloroethylene	C, S (inh.), I (oral)
78-59-1	3,5,5-trimethylcyclohex-2-enone	C
79-01-6	trichloroethylene	CaH
95-47-6	o-xylene	I
100-41-4	ethylbenzene	D
106-42-3	p-xylene	I
108-38-3	m-xylene	I
108-88-3	toluene	II
108-90-7	chlorobenzene	D
108-95-2	Phenol	D, I
110-54-3	Hexane	II
123-91-1	1,4-dioxane	L
127-18-4	tetrachloroethylene	L
71-43-2	Benzene	A, K/L
91-20-3	naphthalene	C, CBD

· **TLV (Threshold Limit Value)**		
107-21-1	ethanediol	A4
68-12-2	N,N-Dimethylformamide	A4
56-23-5	carbon tetrachloride	A2
67-63-0	Isopropyl alcohol	A4
67-66-3	Chloroform	A3
71-55-6	1,1,1-trichloroethane	A4
75-09-2	Dichloromethane	A3
75-15-0	carbon disulphide	A4
75-35-4	1,1-dichloroethylene	A4
78-59-1	3,5,5-trimethylcyclohex-2-enone	A3

(Contd. on page 26)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 25)

79-01-6	trichloroethylene	A2
95-47-6	o-xylene	A4
100-40-3	4-vinylcyclohexene	A3
100-41-4	ethylbenzene	A3
100-42-5	styrene	A4
106-42-3	p-xylene	A4
106-46-7	1,4-dichlorobenzene	A3
108-38-3	m-xylene	A4
108-88-3	toluene	A4
108-90-7	chlorobenzene	A3
108-95-2	Phenol	A4
123-91-1	1,4-dioxane	A3
127-18-4	tetrachloroethylene	A3
1634-04-4	tert-butyl methyl ether	A3
71-43-2	Benzene	A1
91-20-3	naphthalene	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**	
56-23-5	carbon tetrachloride
67-66-3	Chloroform
75-09-2	Dichloromethane
75-35-4	1,1-dichloroethylene
79-01-6	trichloroethylene
106-46-7	1,4-dichlorobenzene
123-91-1	1,4-dioxane
127-18-4	tetrachloroethylene
71-43-2	Benzene

· **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

All chemicals may pose unknown hazards and should be used with caution. This SDS applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. Cayman Chemical Company assumes no responsibility for incidental or consequential damages, including lost profits, arising from the use of these data. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Cayman Chemical Company assumes no responsibility for the completeness or accuracy of the information contained herein.

· **Department issuing SDS:** Environment protection department.
· **Contact:** -
· **Date of preparation** 07/09/2025
· **Abbreviations and acronyms:**
IMDG: International Maritime Code for Dangerous Goods

(Contd. on page 27)

Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/09/2025 Revision date 07/09/2025

Trade name: Residual Solvents Mixture 35 (CRM)

(Contd. from page 26)

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 - oral 3: Acute toxicity – Category 3
Carcinogenicity 1A: Carcinogenicity – Category 1A
Reproductive toxicity 1B: Reproductive toxicity – Category 1B
Specific target organ toxicity (single exposure) 1: Specific target organ toxicity (single exposure) – Category 1
Ozone 1: Hazardous to the ozone layer – Category 1