

Safety Data Sheet acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

1 Identification

· **Product identifier**

· **Trade name:** PHMIX2A

· **Other means of identification**

· **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.



GHS08 Health hazard

Carcinogenicity 2

H351 Suspected of causing cancer.

Reproductive toxicity 2

H361 Suspected of damaging fertility or the unborn child.

Specific target organ toxicity (single exposure) 2

H371 May cause damage to organs.

Specific target organ toxicity (repeated exposure) 2

H373 May cause damage to the hearing organs through prolonged or repeated exposure.

Aspiration hazard 1

H304 May be fatal if swallowed and enters airways.



GHS07

Acute toxicity - inhalation 4

H332 Harmful if inhaled.

Skin irritation 2

H315 Causes skin irritation.

· **Label elements**

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

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· **Hazard pictograms**

GHS02

GHS07

GHS08

· **Signal word** *Danger*· **Hazard-determining components of labeling:***ethylbenzene**Cumene**toluene**dimethyl sulfoxide*· **Hazard statements***Highly flammable liquid and vapor.**Harmful if inhaled.**Causes skin irritation.**Suspected of causing cancer.**Suspected of damaging fertility or the unborn child.**May cause damage to organs.**May cause damage to the hearing organs through prolonged or repeated exposure.**May be fatal if swallowed and enters airways.*· **Precautionary statements***Obtain special instructions before use.**Do not handle until all safety precautions have been read and understood.**Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**Keep container tightly closed.**Ground / bond container and receiving equipment.**Use explosion-proof [electrical/ventilating/lighting] equipment.**Use non-sparking tools.**Take action to prevent 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.**Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.**If swallowed: Immediately call a poison center/doctor.**Specific treatment (see on this label).**Do NOT induce vomiting.**If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].**If inhaled: Remove person to fresh air and keep comfortable for breathing.**IF exposed or concerned: Get medical advice/attention.**Call a poison center/doctor if you feel unwell.**Get medical advice/attention if you feel unwell.**Take off contaminated clothing and wash it before reuse.**If skin irritation occurs: Get medical advice/attention.**In case of fire: Use CO₂, powder or water spray to extinguish.**Store in a well-ventilated place. Keep cool.**Store locked up.**Dispose of contents/container in accordance with local/regional/national/international regulations.*

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- **Information pertaining to particular dangers for man and environment:**
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **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:**

98-82-8	Cumene	3–7%
108-90-7	chlorobenzene	3–7%
95-47-6	o-xylene	3–7%
100-41-4	ethylbenzene	3–7%
106-42-3	p-xylene	3–7%
108-38-3	m-xylene	3–7%
1330-20-7	xylene	3–7%
108-87-2	methylcyclohexane	3–7%
156-59-2	cis-dichloroethylene	3–7%
156-60-5	trans-dichloroethylene	3–7%
540-59-0	1,2-dichloroethylene	3–7%
108-88-3	toluene	3–7%
123-91-1	1,4-dioxane	3–7%
75-09-2	dichloromethane	1–5%
110-82-7	cyclohexane	1–5%
67-68-5	dimethyl sulfoxide	1–5%
109-99-9	tetrahydrofuran	1–5%
75-05-8	acetonitrile	1–5%

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67-56-1 methanol

≥1–<3%

4 First-aid measures

- **Description of first aid measures**

- **General information:**

Immediately remove any clothing soiled by the product.

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

- **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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.

- **After swallowing:** If symptoms persist consult 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.

- **Protective Action Criteria for Chemicals**

- **PAC-1:**

98-82-8	Cumene	50 ppm
108-90-7	chlorobenzene	10 ppm
100-41-4	ethylbenzene	33 ppm
108-38-3	m-xylene	130 ppm
1330-20-7	xylene	130 ppm
108-87-2	methylcyclohexane	1200* ppm
156-59-2	cis-dichloroethylene	140 ppm

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156-60-5	<i>trans</i> -dichloroethylene	280 ppm
540-59-0	1,2-dichloroethylene	140 ppm
108-88-3	toluene	67 ppm
123-91-1	1,4-dioxane	17 ppm
75-09-2	dichloromethane	200 ppm
110-82-7	cyclohexane	300 ppm
67-68-5	dimethyl sulfoxide	150 ppm
109-99-9	tetrahydrofuran	100 ppm
75-05-8	acetonitrile	13 ppm
67-56-1	methanol	530 ppm

· PAC-2:

98-82-8	Cumene	300 ppm
108-90-7	chlorobenzene	150 ppm
100-41-4	ethylbenzene	1100 ppm
108-38-3	<i>m</i> -xylene	920 ppm
1330-20-7	xylene	920* ppm
108-87-2	methylcyclohexane	1700* ppm
156-59-2	<i>cis</i> -dichloroethylene	500 ppm
156-60-5	<i>trans</i> -dichloroethylene	1000 ppm
540-59-0	1,2-dichloroethylene	500 ppm
108-88-3	toluene	560 ppm
123-91-1	1,4-dioxane	320 ppm
75-09-2	dichloromethane	560 ppm
110-82-7	cyclohexane	1700* ppm
67-68-5	dimethyl sulfoxide	290 ppm
109-99-9	tetrahydrofuran	500 ppm
75-05-8	acetonitrile	50 ppm
67-56-1	methanol	2100 ppm

· PAC-3:

98-82-8	Cumene	730 ppm
108-90-7	chlorobenzene	400 ppm
100-41-4	ethylbenzene	1800 ppm
108-38-3	<i>m</i> -xylene	2500* ppm
1330-20-7	xylene	2500* ppm
108-87-2	methylcyclohexane	10000** ppm
156-59-2	<i>cis</i> -dichloroethylene	850 ppm
156-60-5	<i>trans</i> -dichloroethylene	1700 ppm
540-59-0	1,2-dichloroethylene	850 ppm
108-88-3	toluene	3700 ppm
123-91-1	1,4-dioxane	760 ppm
75-09-2	dichloromethane	6900 ppm
110-82-7	cyclohexane	10000** ppm
67-68-5	dimethyl sulfoxide	1,800 ppm

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109-99-9	tetrahydrofuran	5000* ppm
75-05-8	acetonitrile	150 ppm
67-56-1	methanol	7200 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:**

· **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:**

98-82-8 Cumene

PEL Long-term value: 245 mg/m³, 50 ppm
Skin

REL Long-term value: 245 mg/m³, 50 ppm
Skin

TLV Long-term value: 25 mg/m³, 5 ppm
A3

108-90-7 chlorobenzene

PEL Long-term value: 350 mg/m³, 75 ppm

TLV Long-term value: 46 mg/m³, 10 ppm
BEI, A3

95-47-6 o-xylene

PEL Long-term value: 435 mg/m³, 100 ppm

REL Short-term value: 655 mg/m³, 150 ppm
Long-term value: 435 mg/m³, 100 ppm

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TLV	Long-term value: 20 ppm BEI, A4
100-41-4 ethylbenzene	
PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 545 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Long-term value: 20 ppm OTO, BEI, A3
106-42-3 p-xylene	
PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Long-term value: 20 ppm BEI, OTO, A4
108-38-3 m-xylene	
PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Long-term value: 20 ppm BEI, A4
1330-20-7 xylene	
PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Long-term value: 20 ppm BEI, A4
108-87-2 methylcyclohexane	
PEL	Long-term value: 2000 mg/m ³ , 500 ppm
REL	Long-term value: 1600 mg/m ³ , 400 ppm
TLV	Long-term value: 100 ppm
156-59-2 cis-dichloroethylene	
PEL	Long-term value: 790 mg/m ³ , 200 ppm
REL	Long-term value: 790 mg/m ³ , 200 ppm
TLV	Long-term value: 793 mg/m ³ , 200 ppm
156-60-5 trans-dichloroethylene	
PEL	Long-term value: 790 mg/m ³ , 200 ppm
REL	Long-term value: 790 mg/m ³ , 200 ppm
TLV	Long-term value: 793 mg/m ³ , 200 ppm
540-59-0 1,2-dichloroethylene	
PEL	Long-term value: 790 mg/m ³ , 200 ppm
REL	Long-term value: 790 mg/m ³ , 200 ppm
TLV	Long-term value: 793 mg/m ³ , 200 ppm
108-88-3 toluene	
PEL	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift

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REL	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm
TLV	Long-term value: 20 ppm BEI, OTO, A4
123-91-1 1,4-dioxane	
PEL	Long-term value: 360 mg/m ³ , 100 ppm Skin
REL	Ceiling limit value: 3.6* mg/m ³ , 1* ppm *30-min; See Pocket Guide App. A
TLV	Long-term value: 72 mg/m ³ , 20 ppm Skin, A3
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
110-82-7 cyclohexane	
PEL	Long-term value: 1050 mg/m ³ , 300 ppm
REL	Long-term value: 1050 mg/m ³ , 300 ppm
TLV	Long-term value: 100 ppm BEI
67-68-5 dimethyl sulfoxide	
WEEL	Long-term value: 250 ppm
109-99-9 tetrahydrofuran	
PEL	Long-term value: 590 mg/m ³ , 200 ppm
REL	Short-term value: 735 mg/m ³ , 250 ppm Long-term value: 590 mg/m ³ , 200 ppm
TLV	Short-term value: 295 mg/m ³ , 100 ppm Long-term value: 147 mg/m ³ , 50 ppm Skin, A3, 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
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

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Ingredients with biological limit values:	
108-90-7 chlorobenzene	
BEI	100 mg/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: 4-Chlorocatechol (with hydrolysis, nonspecific) 20 mg/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: p-Chlorophenol (with hydrolysis, nonspecific)
95-47-6 o-xylene	
BEI	0.3 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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)
106-42-3 p-xylene	
BEI	0.3 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
108-38-3 m-xylene	
BEI	0.3 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
1330-20-7 xylene	
BEI	0.3 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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)

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75-09-2 dichloromethane	
BEI	0.3 mg/L Medium: urine Time: end of shift Parameter: Dichloromethane (semi-quantitative)
110-82-7 cyclohexane	
BEI	50 mg/g creatinine Medium: - Time: End of shift, end of working week Parameter: 1,2-Cyclohexanediol (non-specific, with hydrolysis)
67-56-1 methanol	
BEI	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)

- **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 skin.
 - Avoid contact with the eyes and skin.
- **Breathing equipment:**
 - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
 - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
 - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

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· **Body protection:** Protective work clothing

* 9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Physical state	Liquid
· Color:	According to product specification
· Odor:	Characteristic
· Odor threshold:	Not determined.
· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	48 °C (118.4 °F)
· Flammability:	Highly flammable.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	-4 °C (24.8 °F)
· Auto igniting:	260 °C (500 °F)
· Decomposition temperature:	Not determined.
· pH-value:	Not determined.
· Viscosity:	
· Kinematic:	Not determined.
· Dynamic:	Not determined.
· Solubility in / Miscibility with	
· Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Vapor pressure:	Not determined.
· Vapor pressure:	
· Density at 20 °C (68 °F):	0.97968 g/cm ³ (8.17543 lbs/gal)
· Relative density	Not determined.
· Bulk density:	980 kg/m ³
· Vapor density	Not determined.
· Particle characteristics	Not applicable.

· Other information

· Appearance:	
· Form:	Fluid
· 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:	85.5 %
· VOC content:	80.56 %
	789.2 g/l / 6.59 lb/gal
· Solids content:	0.0 %
· Change in condition	
· Evaporation rate	Not determined.

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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	11,206 mg/kg (rat)
Dermal	LD50	6,185 mg/kg
Inhalative	LC50/4 h	17.4 mg/l

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)

108-90-7 chlorobenzene

Oral	LD50	2,290 mg/kg (rat)
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100-41-4 ethylbenzene

Oral	LD50	3,500 mg/kg (rat)
Dermal	LD50	17,800 mg/kg (rabbit)

106-42-3 p-xylene

Oral	LD50	5,000 mg/kg (rat)
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108-38-3 m-xylene

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	14,100 mg/kg (rabbit)

1330-20-7 xylene

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)

108-87-2 methylcyclohexane

Oral	LD50	2,250 mg/kg (mouse)
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156-60-5 trans-dichloroethylene

Oral	LD50	770 mg/kg (rat)
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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)

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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)
75-09-2 dichloromethane		
Oral	LD50	1,600 mg/kg (rat)
Inhalative	LC50/4 h	88 mg/l (rat)
110-82-7 cyclohexane		
Oral	LD50	12,705 mg/kg (rat)
67-68-5 dimethyl sulfoxide		
Oral	LD50	14,500 mg/kg (rat)
109-99-9 tetrahydrofuran		
Oral	LD50	2,500 mg/kg (rat)
75-05-8 acetonitrile		
Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)
67-56-1 methanol		
Oral	LD50	5,628 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.

- **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:

Harmful

Irritant

- **Interactive effects** No interactive effects between components are known.

- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
98-82-8	Cumene	2B
95-47-6	o-xylene	3
100-41-4	ethylbenzene	2B
106-42-3	p-xylene	3
108-38-3	m-xylene	3
1330-20-7	xylene	3
108-88-3	toluene	3
123-91-1	1,4-dioxane	2B
75-09-2	dichloromethane	2A
109-99-9	tetrahydrofuran	2B

- **NTP (National Toxicology Program)**

98-82-8	Cumene	R
123-91-1	1,4-dioxane	R
75-09-2	dichloromethane	R

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· OSHA-Ca (Occupational Safety & Health Administration)	
75-09-2	dichloromethane
· 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	UN1993
· UN proper shipping name	
· DOT	Flammable liquids, n.o.s. (Cyclohexane, Tetrahydrofuran)
· IMDG	FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, TETRAHYDROFURAN), MARINE POLLUTANT
· IATA	Flammable liquid, n.o.s. (CYCLOHEXANE, TETRAHYDROFURAN)
· Transport hazard class(es)	
· DOT	
	
· Class	3 Flammable liquids

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· Label	3
· IMDG	
 	
· Class	3 Flammable liquids
· Label	3
· IATA	
	
· Class	3 Flammable liquids
· Label	3
· Packing group	
· DOT, IMDG, IATA	II
· Environmental hazards:	Product contains environmentally hazardous substances: Cumene
· Marine pollutant:	Symbol (fish and tree)
· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 5 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
· Special precautions for user	Warning: Flammable liquids
· Hazard identification number (Kemler code):	33
· EMS Number:	F-E, S-E
· Stowage Category	B
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, TETRAHYDROFURAN), 3, II, ENVIRONMENTALLY HAZARDOUS

*15 Regulatory information

After February 3, 2025, this chemical substance (as defined in TSCA section 3(2))/product cannot be distributed in commerce to retailers. After January 28, 2026, this chemical substance (as defined in TSCA section 3(2))/product is and can only be distributed in commerce or processed with a concentration of methylene chloride equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant; (2) Processing for incorporation into a formulation, mixture, or reaction product; (3) Processing for repackaging; (4) Processing for recycling; (5) Industrial or commercial use as a laboratory chemical; (6) Industrial or commercial use as a bonding agent for solvent welding; (7) Industrial and commercial use as a paint and coating remover from safety critical, corrosion-sensitive components of aircraft and spacecraft; (8) Industrial and commercial use as a processing aid; (9) Industrial and commercial use for plastic and rubber products manufacturing; (10) Industrial and commercial use as a solvent that becomes part of a

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formulation or mixture, where that formulation or mixture will be used inside a manufacturing process, and the solvent (methylene chloride) will be reclaimed; (11) Industrial and commercial use in the refinishing for wooden furniture, decorative pieces, and architectural fixtures of artistic, cultural or historic value until May 8, 2029; (12) Industrial and commercial use in adhesives and sealants in aircraft, space vehicle, and turbine applications for structural and safety critical non-structural applications until May 8, 2029; (13) Disposal; and (14) Export.

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

· **Sara**

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

None of the ingredients is listed.

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

98-82-8	Cumene
108-90-7	chlorobenzene
95-47-6	o-xylene
100-41-4	ethylbenzene
106-42-3	p-xylene
108-38-3	m-xylene
1330-20-7	xylene
540-59-0	1,2-dichloroethylene
108-88-3	toluene
123-91-1	1,4-dioxane
75-09-2	dichloromethane
110-82-7	cyclohexane
75-05-8	acetonitrile
67-56-1	methanol

· **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.

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

98-82-8	Cumene
108-90-7	chlorobenzene
95-47-6	o-xylene
100-41-4	ethylbenzene
106-42-3	p-xylene
108-38-3	m-xylene
1330-20-7	xylene
108-88-3	toluene
123-91-1	1,4-dioxane
75-09-2	dichloromethane
75-05-8	acetonitrile
67-56-1	methanol

· **Proposition 65**

· **Chemicals known to cause cancer:**

98-82-8	Cumene
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100-41-4	ethylbenzene
123-91-1	1,4-dioxane
75-09-2	dichloromethane
109-99-9	tetrahydrofuran

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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

108-88-3	toluene
67-56-1	methanol

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

98-82-8	Cumene	D, CBD
108-90-7	chlorobenzene	D
95-47-6	o-xylene	I
100-41-4	ethylbenzene	D
106-42-3	p-xylene	I
108-38-3	m-xylene	I
1330-20-7	xylene	I
156-59-2	cis-dichloroethylene	II
156-60-5	trans-dichloroethylene	II
108-88-3	toluene	II
123-91-1	1,4-dioxane	L
75-09-2	dichloromethane	L
110-82-7	cyclohexane	I
109-99-9	tetrahydrofuran	SC
75-05-8	acetonitrile	CBD, D

· **TLV (Threshold Limit Value)**

108-90-7	chlorobenzene	A3
95-47-6	o-xylene	A4
100-41-4	ethylbenzene	A3
106-42-3	p-xylene	A4
108-38-3	m-xylene	A4
1330-20-7	xylene	A4
108-88-3	toluene	A4
123-91-1	1,4-dioxane	A3
75-09-2	dichloromethane	A3
109-99-9	tetrahydrofuran	A3
75-05-8	acetonitrile	A4

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

123-91-1	1,4-dioxane
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75-09-2 dichloromethane

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



GHS02 GHS07 GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**
 - ethylbenzene
 - Cumene
 - toluene
 - dimethyl sulfoxide
- **Hazard statements**
 - Highly flammable liquid and vapor.
 - Harmful if inhaled.
 - Causes skin irritation.
 - Suspected of causing cancer.
 - Suspected of damaging fertility or the unborn child.
 - May cause damage to organs.
 - May cause damage to the hearing organs through prolonged or repeated exposure.
 - May be fatal if swallowed and enters airways.
- **Precautionary statements**
 - Obtain special instructions before use.
 - Do not handle until all safety precautions have been read and understood.
 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 - Keep container tightly closed.
 - Ground / bond container and receiving equipment.
 - Use explosion-proof [electrical/ventilating/lighting] equipment.
 - Use non-sparking tools.
 - Take action to prevent 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.
 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 - If swallowed: Immediately call a poison center/doctor.
 - Specific treatment (see on this label).
 - Do NOT induce vomiting.
 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
 - If exposed or concerned: Get medical advice/attention.
 - Call a poison center/doctor if you feel unwell.
 - Get medical advice/attention if you feel unwell.
 - Take off contaminated clothing and wash it before reuse.
 - If skin irritation occurs: Get medical advice/attention.
 - In case of fire: Use CO₂, powder or water spray to extinguish.
 - Store in a well-ventilated place. Keep cool.
 - Store locked up.
 - Dispose of contents/container in accordance with local/regional/national/international regulations.

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· **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 previous version** 03/26/2024
- **Date of preparation** 06/30/2026
- **Abbreviations and acronyms:**
 - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 - 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 4: Acute toxicity – Category 4
 - Skin irritation 2: Skin corrosion/irritation – Category 2
 - Carcinogenicity 2: Carcinogenicity – Category 2
 - Reproductive toxicity 2: Reproductive toxicity – Category 2
 - Specific target organ toxicity (single exposure) 2: Specific target organ toxicity (single exposure) – Category 2
 - Specific target organ toxicity (repeated exposure) 2: Specific target organ toxicity (repeated exposure) – Category 2
 - Aspiration hazard 1: Aspiration hazard – Category 1
- *** Data compared to the previous version altered.**