

## 1 Identification

· **Product identifier**

· **Product Name:** Base/Neutrals Mix 1

· **Part Name:** ECS-A-030

· **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** Certified Reference Material

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

· **Manufacturer/Supplier:**

Spex CertiPrep, LLC.  
203 Norcross Ave, Metuchen,  
NJ 08840 USA  
732-549-7144  
USMet-CRMSales@antylia.com

· **Information department:** product safety department

· **Emergency telephone number:**

Emergency Phone Number (24 hours)  
CHEMTREC (800-424-9300)  
Outside US: 703-527-3887

## 2 Hazard(s) identification

· **Classification of the substance or mixture**



GHS08 Health hazard

Carcinogenicity 1B

H350 May cause cancer.

Toxic to Reproduction 1B

H360 May damage fertility or the unborn child.



GHS07

Acute Toxicity - Oral 4

H302 Harmful if swallowed.

Acute Toxicity - Inhalation 4

H332 Harmful if inhaled.

Skin Irritation 2

H315 Causes skin irritation.

Sensitization - Skin 1

H317 May cause an allergic skin reaction.

Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

· **Label elements**

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

· **Hazard pictograms**



GHS07



GHS08

· **Signal word** Danger

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

dichloromethane  
bis(2-chloroethyl) ether  
nitrobenzene  
dimethylnitrosoamine  
4-Bromodiphenyl ether

· **Hazard statements**

H302+H332 Harmful if swallowed or if inhaled.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H350 May cause cancer.

H360 May damage fertility or the unborn child.

H336 May cause drowsiness or dizziness.

· **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash thoroughly after handling.

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- P270 Do not eat, drink or smoke when using this product.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.
- P330 Rinse mouth.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P321 Specific treatment (see on this label).
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:**

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:**

75-09-2	dichloromethane	94.0%
62-75-9	dimethylnitrosoamine	0.2%
67-72-1	hexachloroethane	0.2%
77-47-4	hexachlorocyclopentadiene	0.2%
78-59-1	3,5,5-trimethylcyclohex-2-enone	0.2%
84-74-2	dibutyl phthalate	0.2%
85-68-7	BBP	0.2%
86-30-6	nitrosodiphenylamine	0.2%
86-74-8	carbazole	0.2%
87-68-3	hexachlorobuta-1,3-diene	0.2%
98-95-3	nitrobenzene	0.2%
101-55-3	4-Bromodiphenyl ether	0.2%
103-33-3	azobenzene	0.2%
106-46-7	1,4-dichlorobenzene	0.2%
108-60-1	bis(2-chloro-1-methylethyl) ether	0.2%
110-86-1	PYRIDINE	0.2%
111-44-4	bis(2-chloroethyl) ether	0.2%
111-91-1	bis(2-chloroethoxy)methane	0.2%
117-81-7	bis(2-ethylhexyl) phthalate	0.2%
117-84-0	Di-n-octyl Phthalate	0.2%
118-74-1	hexachlorobenzene	0.2%
120-82-1	1,2,4-trichlorobenzene	0.2%
121-14-2	2,4-dinitrotoluene	0.2%

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131-11-3	dimethyl phthalate	0.2%
606-20-2	2,6-dinitrotoluene	0.2%
621-64-7	nitrosodipropylamine	0.2%
7005-72-3	4-Chlorophenyl-phenyl ether	0.2%
<b>Chemical identification of the substance/preparation</b>		
84-66-2	diethyl phthalate	0.2%
91-58-7	2-Chloronaphthalene	0.2%
95-50-1	1,2-dichlorobenzene	0.2%
541-73-1	1,3-dichlorobenzene	0.2%

**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 and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:**

Immediately call a doctor.

Do not give anything to eat or drink - Do not induce vomiting

**Information for Doctor:**

**Most important symptoms and effects, both acute and delayed** No further relevant information available.

**Indication of any immediate medical attention and special treatment needed** No further relevant information available.

**5 Fire-fighting measures**

**Extinguishing media**

**Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

**Special hazards arising from the substance or mixture** No further relevant information available.

**Advice for firefighters**

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

**6 Accidental release measures**

**Personal precautions, protective equipment and emergency procedures** Not required.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 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-I:**

75-09-2	dichloromethane	200 ppm
62-75-9	dimethylnitrosoamine	0.082 mg/m <sup>3</sup>
67-72-1	hexachloroethane	3 ppm
77-47-4	hexachlorocyclopentadiene	0.03 ppm
78-59-1	3,5,5-trimethylcyclohex-2-enone	12 ppm
84-66-2	diethyl phthalate	15 mg/m <sup>3</sup>
84-74-2	dibutyl phthalate	15 mg/m <sup>3</sup>
85-68-7	BBP	15 mg/m <sup>3</sup>
86-30-6	nitrosodiphenylamine	5.5 mg/m <sup>3</sup>
86-74-8	carbazole	0.66 mg/m <sup>3</sup>
87-68-3	hexachlorobuta-1,3-diene	1 ppm
91-58-7	2-Chloronaphthalene	6.2 mg/m <sup>3</sup>
95-50-1	1,2-dichlorobenzene	50 ppm

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		(Contd. of page 3)
98-95-3	nitrobenzene	3 ppm
101-55-3	4-Bromodiphenyl ether	0.33 mg/m <sup>3</sup>
106-46-7	1,4-dichlorobenzene	30 ppm
108-60-1	bis(2-chloro-1-methylethyl) ether	0.15 ppm
110-86-1	PYRIDINE	3 ppm
111-44-4	bis(2-chloroethyl) ether	10 ppm
111-91-1	bis(2-chloroethoxy)methane	0.04 ppm
117-81-7	bis(2-ethylhexyl) phthalate	10 mg/m <sup>3</sup>
117-84-0	Di-n-octyl Phthalate	41 mg/m <sup>3</sup>
118-74-1	hexachlorobenzene	0.006 mg/m <sup>3</sup>
120-82-1	1,2,4-trichlorobenzene	0.45 ppm
121-14-2	2,4-dinitrotoluene	0.6 mg/m <sup>3</sup>
131-11-3	dimethyl phthalate	15 mg/m <sup>3</sup>
541-73-1	1,3-dichlorobenzene	6 ppm
606-20-2	2,6-dinitrotoluene	0.6 mg/m <sup>3</sup>
621-64-7	nitrosodipropylamine	5.6 mg/m <sup>3</sup>
7005-72-3	4-Chlorophenyl-phenyl ether	1.5 mg/m <sup>3</sup>
<b>· PAC-2:</b>		
75-09-2	dichloromethane	560 ppm
62-75-9	dimethylnitrosoamine	0.9 mg/m <sup>3</sup>
67-72-1	hexachloroethane	36 ppm
77-47-4	hexachlorocyclopentadiene	0.55 ppm
78-59-1	3,5,5-trimethylcyclohex-2-enone	33 ppm
84-66-2	diethyl phthalate	300 mg/m <sup>3</sup>
84-74-2	dibutyl phthalate	1,600 mg/m <sup>3</sup>
85-68-7	BBP	77 mg/m <sup>3</sup>
86-30-6	nitrosodiphenylamine	60 mg/m <sup>3</sup>
86-74-8	carbazole	7.2 mg/m <sup>3</sup>
87-68-3	hexachlorobuta-1,3-diene	3 ppm
91-58-7	2-Chloronaphthalene	69 mg/m <sup>3</sup>
95-50-1	1,2-dichlorobenzene	170 ppm
98-95-3	nitrobenzene	20 ppm
101-55-3	4-Bromodiphenyl ether	3.6 mg/m <sup>3</sup>
106-46-7	1,4-dichlorobenzene	170 ppm
108-60-1	bis(2-chloro-1-methylethyl) ether	1.6 ppm
110-86-1	PYRIDINE	19 ppm
111-44-4	bis(2-chloroethyl) ether	25 ppm
111-91-1	bis(2-chloroethoxy)methane	0.44 ppm
117-81-7	bis(2-ethylhexyl) phthalate	1,000 mg/m <sup>3</sup>
117-84-0	Di-n-octyl Phthalate	450 mg/m <sup>3</sup>
118-74-1	hexachlorobenzene	14 mg/m <sup>3</sup>
120-82-1	1,2,4-trichlorobenzene	5 ppm
121-14-2	2,4-dinitrotoluene	12 mg/m <sup>3</sup>
131-11-3	dimethyl phthalate	1,600 mg/m <sup>3</sup>
541-73-1	1,3-dichlorobenzene	66 ppm
606-20-2	2,6-dinitrotoluene	47 mg/m <sup>3</sup>
621-64-7	nitrosodipropylamine	62 mg/m <sup>3</sup>
7005-72-3	4-Chlorophenyl-phenyl ether	35 mg/m <sup>3</sup>
<b>· PAC-3:</b>		
75-09-2	dichloromethane	6,900 ppm
62-75-9	dimethylnitrosoamine	10 mg/m <sup>3</sup>
67-72-1	hexachloroethane	300 ppm
77-47-4	hexachlorocyclopentadiene	1 ppm
78-59-1	3,5,5-trimethylcyclohex-2-enone	200 ppm
84-66-2	diethyl phthalate	1,800 mg/m <sup>3</sup>
84-74-2	dibutyl phthalate	9300* mg/m <sup>3</sup>

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		(Contd. of page 4)
85-68-7	BBP	460 mg/m <sup>3</sup>
86-30-6	nitrosodiphenylamine	360 mg/m <sup>3</sup>
86-74-8	carbazole	43 mg/m <sup>3</sup>
87-68-3	hexachlorobuta-1,3-diene	10 ppm
91-58-7	2-Chloronaphthalene	410 mg/m <sup>3</sup>
95-50-1	1,2-dichlorobenzene	1,000 ppm
98-95-3	nitrobenzene	200 ppm
101-55-3	4-Bromodiphenyl ether	21 mg/m <sup>3</sup>
106-46-7	1,4-dichlorobenzene	1,000 ppm
108-60-1	bis(2-chloro-1-methylethyl) ether	22 ppm
110-86-1	PYRIDINE	3600* ppm
111-44-4	bis(2-chloroethyl) ether	250 ppm
111-91-1	bis(2-chloroethoxy)methane	2.7 ppm
117-81-7	bis(2-ethylhexyl) phthalate	6,100 mg/m <sup>3</sup>
117-84-0	Di-n-octyl Phthalate	11000* mg/m <sup>3</sup>
118-74-1	hexachlorobenzene	91 mg/m <sup>3</sup>
120-82-1	1,2,4-trichlorobenzene	20 ppm
121-14-2	2,4-dinitrotoluene	200 mg/m <sup>3</sup>
131-11-3	dimethyl phthalate	9300* mg/m <sup>3</sup>
541-73-1	1,3-dichlorobenzene	400 ppm
606-20-2	2,6-dinitrotoluene	200 mg/m <sup>3</sup>
621-64-7	nitrosodipropylamine	95 mg/m <sup>3</sup>
7005-72-3	4-Chlorophenyl-phenyl ether	210 mg/m <sup>3</sup>

**7 Handling and storage**

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see item 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.

<b>75-09-2 dichloromethane</b>	
PEL	Short-term value: 125 ppm Long-term value: 25 ppm see 29 CFR 1910.1052
REL	See Pocket Guide App. A
TLV	Long-term value: 50 ppm BEI, A3
<b>62-75-9 dimethylnitrosoamine</b>	
PEL	see 29 CFR 1910.1003
REL	See Pocket Guide App. A
TLV	Skin; L, A3

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<b>67-72-1 hexachloroethane</b>	
PEL	Long-term value: 10 mg/m <sup>3</sup> , 1 ppm Skin
REL	Long-term value: 10 mg/m <sup>3</sup> , 1 ppm Skin; See Pocket Guide Apps. A and C
TLV	Long-term value: 1 ppm Skin, A3
<b>77-47-4 hexachlorocyclopentadiene</b>	
REL	Long-term value: 0.1 mg/m <sup>3</sup> , 0.01 ppm
TLV	Long-term value: 0.01 ppm A4
<b>78-59-1 3,5,5-trimethylcyclohex-2-enone</b>	
PEL	Long-term value: 140 mg/m <sup>3</sup> , 25 ppm
REL	Long-term value: 23 mg/m <sup>3</sup> , 4 ppm
TLV	Ceiling limit value: 5 ppm A3
<b>84-74-2 dibutyl phthalate</b>	
PEL	Long-term value: 5 mg/m <sup>3</sup>
REL	Long-term value: 5 mg/m <sup>3</sup>
TLV	Long-term value: 5 mg/m <sup>3</sup>
<b>87-68-3 hexachlorobuta-1,3-diene</b>	
REL	Long-term value: 0.24 mg/m <sup>3</sup> , 0.02 ppm Skin; See Pocket Guide App. A
TLV	Long-term value: 0.02 ppm Skin, A3
<b>98-95-3 nitrobenzene</b>	
PEL	Long-term value: 5 mg/m <sup>3</sup> , 1 ppm Skin
REL	Long-term value: 5 mg/m <sup>3</sup> , 1 ppm Skin
TLV	Long-term value: 1 ppm Skin; BEIm, A3
<b>106-46-7 1,4-dichlorobenzene</b>	
PEL	Long-term value: 450 mg/m <sup>3</sup> , 75 ppm
REL	See Pocket Guide App. A
TLV	Long-term value: 10 ppm A3
<b>110-86-1 PYRIDINE</b>	
PEL	Long-term value: 15 mg/m <sup>3</sup> , 5 ppm
REL	Long-term value: 15 mg/m <sup>3</sup> , 5 ppm
TLV	Long-term value: 1 ppm A3
<b>111-44-4 bis(2-chloroethyl) ether</b>	
PEL	Ceiling limit value: 90 mg/m <sup>3</sup> , 15 ppm Skin
REL	Short-term value: 60 mg/m <sup>3</sup> , 10 ppm Long-term value: 30 mg/m <sup>3</sup> , 5 ppm Skin; See Pocket Guide App. A
TLV	Short-term value: 10 ppm Long-term value: 5 ppm Skin, A4
<b>117-81-7 bis(2-ethylhexyl) phthalate</b>	
PEL	Long-term value: 5 mg/m <sup>3</sup>
REL	Short-term value: 10 mg/m <sup>3</sup> Long-term value: 5 mg/m <sup>3</sup> See Pocket Guide App. A
TLV	Long-term value: NIC-0.1 mg/m <sup>3</sup> NIC: Skin, A3
<b>118-74-1 hexachlorobenzene</b>	
TLV	Long-term value: 0.002 mg/m <sup>3</sup> Skin, A3

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<b>120-82-1 1,2,4-trichlorobenzene</b>	
REL	Ceiling limit value: 40 mg/m <sup>3</sup> , 5 ppm
TLV	Ceiling limit value: 5 ppm
<b>131-11-3 dimethyl phthalate</b>	
PEL	Long-term value: 5 mg/m <sup>3</sup>
REL	Long-term value: 5 mg/m <sup>3</sup>
TLV	Long-term value: 5 mg/m <sup>3</sup>
<b>Ingredients with biological limit values:</b>	
<b>75-09-2 dichloromethane</b>	
BEI	0.3 mg/L Medium: urine Time: end of shift Parameter: Dichloromethane (semi-quantitative)
<b>98-95-3 nitrobenzene</b>	
BEI	5 % of hemoglobin Medium: blood Time: during or end of shift Parameter: Methemoglobin (background, nonspecific,)

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

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.

· **Respiratory protection:**

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:**

Safety glasses



Tightly sealed goggles

**9 Physical and chemical properties**

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

· **General Information**

· **Appearance:**

<b>Form:</b>	Liquid
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic
<b>Odour Threshold:</b>	Not applicable.

· **pH-value:** Not applicable.

· **Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	40 °C (104 °F)

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· <b>Flash point:</b>	> 100 °C (> 212 °F)
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	605 °C (1,121 °F)
· <b>Decomposition temperature:</b>	Not applicable.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
Lower:	13 Vol %
Upper:	22 Vol %
· <b>Vapor pressure at 20 °C (68 °F):</b>	453 hPa (339.8 mm Hg)
· <b>Density</b>	Not applicable.
· <b>Relative density</b>	Not applicable.
· <b>Vapor density</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not applicable.
· <b>Viscosity:</b>	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· <b>Solvent content:</b>	
Organic solvents:	94.8 %
VOC content:	0.80 %
Solids content:	1.6 %
· <b>Other information</b>	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:**

· <b>LD/LC50 values that are relevant for classification:</b>		
75-09-2 dichloromethane		
Oral	LD50	1,600 mg/kg (rat)
Inhalative	LC50/4 h	88 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No 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:  
Harmful  
Irritant  
Product is suspected to cause damage to fertility.  
Product is suspected to cause birth defects.

- **Carcinogenic categories**

· <b>IARC (International Agency for Research on Cancer)</b>		
75-09-2	dichloromethane	2A
62-75-9	dimethylnitrosoamine	2A

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67-72-1	hexachloroethane	2B
78-59-1	3,5,5-trimethylcyclohex-2-enone	2B
85-68-7	BBP	3
86-30-6	nitrosodiphenylamine	3
86-74-8	carbazole	2B
87-68-3	hexachlorobuta-1,3-diene	3
95-50-1	1,2-dichlorobenzene	3
98-95-3	nitrobenzene	2B
103-33-3	azobenzene	3
106-46-7	1,4-dichlorobenzene	2B
108-60-1	bis(2-chloro-1-methylethyl) ether	3
110-86-1	PYRIDINE	2B
111-44-4	bis(2-chloroethyl) ether	3
117-81-7	bis(2-ethylhexyl) phthalate	2B
118-74-1	hexachlorobenzene	2B
121-14-2	2,4-dinitrotoluene	2B
541-73-1	1,3-dichlorobenzene	3
606-20-2	2,6-dinitrotoluene	2B
621-64-7	nitrosodipropylamine	2B
<b>· NTP (National Toxicology Program)</b>		
75-09-2	dichloromethane	R
62-75-9	dimethylnitrosoamine	R
67-72-1	hexachloroethane	R
98-95-3	nitrobenzene	R
106-46-7	1,4-dichlorobenzene	R
117-81-7	bis(2-ethylhexyl) phthalate	R
118-74-1	hexachlorobenzene	R
621-64-7	nitrosodipropylamine	R
<b>· OSHA-Ca (Occupational Safety &amp; Health Administration)</b>		
75-09-2	dichloromethane	
62-75-9	dimethylnitrosoamine	

## 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:**

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

**· vPvB:**

87-68-3	hexachlorobuta-1,3-diene
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- **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.



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

#### 14 Transport information

· <b>UN-Number</b> · <b>DOT, ADR, IMDG, IATA</b>	UN1593
· <b>UN proper shipping name</b> · <b>DOT</b> · <b>ADR</b> · <b>IMDG, IATA</b>	Dichloromethane 1593 DICHLOROMETHANE DICHLOROMETHANE
· <b>Transport hazard class(es)</b> · <b>DOT</b>	
	
· <b>Class</b> · <b>Label</b>	6.1 Toxic substances 6.1
· <b>ADR, IMDG, IATA</b>	
	
· <b>Class</b> · <b>Label</b>	6.1 Toxic substances 6.1
· <b>Packing group</b> · <b>DOT, ADR, IMDG, IATA</b>	III
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Segregation groups</b>	Warning: Toxic substances 60 F-A,S-A (SGG10) Liquid halogenated hydrocarbons
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b> · <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>IMDG</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	UN 1593 DICHLOROMETHANE, 6.1, III

#### 15 Regulatory information

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

· <b>Section 313 (Specific toxic chemical listings):</b>	
75-09-2	dichloromethane
62-75-9	dimethylnitrosoamine
67-72-1	hexachloroethane
77-47-4	hexachlorocyclopentadiene
84-74-2	dibutyl phthalate
86-30-6	nitrosodiphenylamine

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87-68-3	hexachlorobuta-1,3-diene
95-50-1	1,2-dichlorobenzene
98-95-3	nitrobenzene
106-46-7	1,4-dichlorobenzene
108-60-1	bis(2-chloro-1-methylethyl) ether
110-86-1	PYRIDINE
111-44-4	bis(2-chloroethyl) ether
111-91-1	bis(2-chloroethoxy)methane
117-81-7	bis(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene
120-82-1	1,2,4-trichlorobenzene
121-14-2	2,4-dinitrotoluene
131-11-3	dimethyl phthalate
541-73-1	1,3-dichlorobenzene
606-20-2	2,6-dinitrotoluene
621-64-7	nitrosodipropylamine

**· 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**

75-09-2	dichloromethane
62-75-9	dimethylnitrosoamine
67-72-1	hexachloroethane
77-47-4	hexachlorocyclopentadiene
78-59-1	3,5,5-trimethylcyclohex-2-enone
84-74-2	dibutyl phthalate
87-68-3	hexachlorobuta-1,3-diene
98-95-3	nitrobenzene
106-46-7	1,4-dichlorobenzene
111-44-4	bis(2-chloroethyl) ether
117-81-7	bis(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene
120-82-1	1,2,4-trichlorobenzene
121-14-2	2,4-dinitrotoluene
131-11-3	dimethyl phthalate

**· Proposition 65**

**· Chemicals known to cause cancer:**

75-09-2	dichloromethane
62-75-9	dimethylnitrosoamine
67-72-1	hexachloroethane
86-30-6	nitrosodiphenylamine
86-74-8	carbazole
87-68-3	hexachlorobuta-1,3-diene
98-95-3	nitrobenzene
103-33-3	azobenzene
106-46-7	1,4-dichlorobenzene
108-60-1	bis(2-chloro-1-methylethyl) ether
110-86-1	PYRIDINE
111-44-4	bis(2-chloroethyl) ether
117-81-7	bis(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene
121-14-2	2,4-dinitrotoluene
606-20-2	2,6-dinitrotoluene
621-64-7	nitrosodipropylamine

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

84-74-2	dibutyl phthalate
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<b>· Chemicals known to cause reproductive toxicity for males:</b>		
84-74-2	dibutyl phthalate	
98-95-3	nitrobenzene	
117-81-7	bis(2-ethylhexyl) phthalate	
121-14-2	2,4-dinitrotoluene	
606-20-2	2,6-dinitrotoluene	
<b>· Chemicals known to cause developmental toxicity:</b>		
84-74-2	dibutyl phthalate	
85-68-7	BBP	
117-81-7	bis(2-ethylhexyl) phthalate	
118-74-1	hexachlorobenzene	
<b>· Carcinogenic categories</b>		
<b>· EPA (Environmental Protection Agency)</b>		
75-09-2	dichloromethane	L
62-75-9	dimethylnitrosoamine	B2
67-72-1	hexachloroethane	L
77-47-4	hexachlorocyclopentadiene	E, NL
78-59-1	3,5,5-trimethylcyclohex-2-enone	C
84-66-2	diethyl phthalate	D
84-74-2	dibutyl phthalate	D
85-68-7	BBP	C
86-30-6	nitrosodiphenylamine	B2
87-68-3	hexachlorobuta-1,3-diene	C
95-50-1	1,2-dichlorobenzene	D
98-95-3	nitrobenzene	L
101-55-3	4-Bromodiphenyl ether	D
103-33-3	azobenzene	B2
111-44-4	bis(2-chloroethyl) ether	B2
111-91-1	bis(2-chloroethoxy)methane	D
117-81-7	bis(2-ethylhexyl) phthalate	B2
118-74-1	hexachlorobenzene	B2
120-82-1	1,2,4-trichlorobenzene	D
131-11-3	dimethyl phthalate	D
541-73-1	1,3-dichlorobenzene	D
621-64-7	nitrosodipropylamine	B2
<b>· TLV (Threshold Limit Value)</b>		
75-09-2	dichloromethane	A3
62-75-9	dimethylnitrosoamine	A3
67-72-1	hexachloroethane	A3
77-47-4	hexachlorocyclopentadiene	A4
78-59-1	3,5,5-trimethylcyclohex-2-enone	A3
84-66-2	diethyl phthalate	A4
87-68-3	hexachlorobuta-1,3-diene	A3
95-50-1	1,2-dichlorobenzene	A4
98-95-3	nitrobenzene	A3
106-46-7	1,4-dichlorobenzene	A3
111-44-4	bis(2-chloroethyl) ether	A4
117-81-7	bis(2-ethylhexyl) phthalate	A3
118-74-1	hexachlorobenzene	A3
<b>· NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
75-09-2	dichloromethane	
62-75-9	dimethylnitrosoamine	
67-72-1	hexachloroethane	
87-68-3	hexachlorobuta-1,3-diene	
106-46-7	1,4-dichlorobenzene	
111-44-4	bis(2-chloroethyl) ether	

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117-81-7 bis(2-ethylhexyl) phthalate

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

· **Hazard pictograms**



· **Signal word** Danger

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

dichloromethane  
bis(2-chloroethyl) ether  
nitrobenzene  
dimethylnitrosoamine  
4-Bromodiphenyl ether

· **Hazard statements**

H302+H332 Harmful if swallowed or if inhaled.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H350 May cause cancer.  
H360 May damage fertility or the unborn child.  
H336 May cause drowsiness or dizziness.

· **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.  
P330 Rinse mouth.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P321 Specific treatment (see on this label).  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 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:** product safety department

· **Contact:**

Spex CertiPrep, LLC.  
1-732-549-7144

· **Date of preparation / last revision** 06/15/2023

· **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

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*REL: Recommended Exposure Limit*

*BEI: Biological Exposure Limit*

*Acute Toxicity - Oral 4: Acute toxicity – Category 4*

*Skin Irritation 2: Skin corrosion/irritation – Category 2*

*Sensitization - Skin 1: Skin sensitisation – Category 1*

*Carcinogenicity 1B: Carcinogenicity – Category 1B*

*Toxic to Reproduction 1B: Reproductive toxicity – Category 1B*

*Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3*

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