

1 Identification

- **Product identifier**
- **Product Name:** Stock Organic Standard
- **Part Number:** 5243-VCM
- **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
- **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**



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS06 Skull and crossbones

Acute Tox. 3 H331 Toxic if inhaled.



GHS08 Health hazard

Muta. 1B H340 May cause genetic defects.

Carc. 1A H350 May cause cancer.

Repr. 1A H360 May damage fertility or the unborn child.

STOT SE 1 H370 Causes damage to organs.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**

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

- **Hazard pictograms**



GHS02



GHS06



GHS07



GHS08

- **Signal word** Danger

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

methanol

1,2-dibromo-3-chloropropane

carbon tetrachloride

1,1,2,2-tetrachloroethane

- **Hazard statements**

Highly flammable liquid and vapor.

Toxic if inhaled.

May cause an allergic skin reaction.

May cause genetic defects.

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*May cause cancer.**May damage fertility or the unborn child.**Causes damage to organs.**May cause damage to organs through prolonged or repeated exposure.***· Precautionary statements***Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Use explosion-proof electrical/ventilating/lighting/equipment.**Do not breathe dust/fume/gas/mist/vapors/spray.**If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.**Store locked up.**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
87-61-6	1,2,3-trichlorobenzene
120-82-1	1,2,4-trichlorobenzene

· vPvB:

87-68-3	hexachlorobuta-1,3-diene
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3 Composition/information on ingredients**· Chemical characterization: Mixtures****· Description:** Mixture of the substances listed below with nonhazardous additions.**· Dangerous components:**

67-56-1	methanol	86,2%
107-05-1	3-chloropropene	0,2%
71-43-2	benzene	0,2%
75-27-4	bromodichloromethane	0,2%
75-15-0	carbon disulphide	0,2%
56-23-5	carbon tetrachloride	0,2%
67-66-3	chloroform	0,2%
96-12-8	1,2-dibromo-3-chloropropane	0,2%
106-93-4	1,2-dibromoethane	0,2%
106-46-7	1,4-dichlorobenzene	0,2%
107-06-2	1,2-dichloroethane	0,2%
75-35-4	1,1-dichloroethylene	0,2%
10061-01-5	(Z)-1,3-dichloropropene	0,2%
10061-02-6	trans-1,3-Dichloropropene	0,2%
100-41-4	ethylbenzene	0,2%
97-63-2	ethyl methacrylate	0,2%
87-68-3	hexachlorobuta-1,3-diene	0,2%
67-72-1	hexachloroethane	0,2%
98-82-8	isopropylbenzene	0,2%
75-09-2	dichloromethane	0,2%
91-20-3	naphthalene	0,2%
76-01-7	pentachloroethane	0,2%

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103-65-1	propylbenzene	0.2%
100-42-5	styrene	0.2%
630-20-6	1,1,1,2-Tetrachloroethane	0.2%
79-34-5	1,1,2,2-tetrachloroethane	0.2%
127-18-4	tetrachloroethylene	0.2%
109-99-9	tetrahydrofuran	0.2%
108-88-3	toluene	0.2%
87-61-6	1,2,3-trichlorobenzene	0.2%
120-82-1	1,2,4-trichlorobenzene	0.2%
79-00-5	1,1,2-trichloroethane	0.2%
79-01-6	trichloroethylene	0.2%
96-18-4	1,2,3-trichloropropane	0.2%

· Chemical identification of the substance/preparation

108-86-1	bromobenzene	0.2%
74-97-5	bromochloromethane	0.2%
75-25-2	bromoform	0.2%
104-51-8	butylbenzene	0.2%
135-98-8	sec-butylbenzene	0.2%
98-06-6	tert-butylbenzene	0.2%
108-90-7	chlorobenzene	0.2%
95-49-8	2-chlorotoluene	0.2%
106-43-4	4-chlorotoluene	0.2%
124-48-1	dibromochloromethane	0.2%
74-95-3	dibromomethane	0.2%
95-50-1	1,2-dichlorobenzene	0.2%
541-73-1	1,3-dichlorobenzene	0.2%
75-34-3	1,1-dichloroethane	0.2%
156-59-2	cis-dichloroethylene	0.2%
156-60-5	trans-dichloroethylene	0.2%
78-87-5	1,2-dichloropropane	0.2%
142-28-9	1,3-dichloropropane	0.2%
594-20-7	2,2-dichloropropane	0.2%
563-58-6	1,1-dichloropropene	0.2%
60-29-7	diethyl ether	0.2%
99-87-6	p-cymene	0.2%
1634-04-4	Methyl-tert-butyl ether	0.2%
71-55-6	1,1,1-trichloroethane	0.2%
75-69-4	trichlorofluoromethane	0.2%
95-63-6	1,2,4-trimethylbenzene	0.2%
108-67-8	mesitylene	0.2%
95-47-6	o-xylene	0.2%
108-38-3	m-xylene	0.2%
106-42-3	p-xylene	0.2%
108-20-3	diisopropyl ether	0.2%
79-20-9	methyl acetate	0.2%
919-94-8	trans-1-Ethyl-2-Methylcyclopentane	0.2%
994-05-8	2-methoxy-2-methylbutane	0.2%
75-65-0	2-methylpropan-2-ol	0.2%
637-92-3	tert-Butyl ethyl ether	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.

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- 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.
- **Information for Doctor:**
 - **Most important symptoms and effects, both acute and delayed** No further relevant information available.
 - **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **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** Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
 - Do not allow product to reach sewage system or any water course.
 - Inform respective authorities in case of seepage into water course or sewage system.
 - 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.
 - Do not flush with water or aqueous cleansing agents
- **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

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

8 Exposure controls/personal protection

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

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· **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

71-43-2 benzene

PEL Short-term value: 15* mg/m³, 5* ppm
Long-term value: 3* mg/m³, 1* ppm
*table Z-2 for exclusions in 29CFR1910.1028(d)

REL Short-term value: 1 ppm
Long-term value: 0.1 ppm
See Pocket Guide App. A

TLV Short-term value: 8 mg/m³, 2.5 ppm
Long-term value: 1.6 mg/m³, 0.5 ppm
Skin; BEI

75-25-2 bromoform

PEL Long-term value: 5 mg/m³, 0.5 ppm
Skin

REL Long-term value: 5 mg/m³, 0.5 ppm
Skin

TLV Long-term value: 5.2 mg/m³, 0.5 ppm

75-15-0 carbon disulphide

PEL Long-term value: 20 ppm
Ceiling limit value: 30; 100* ppm
Skin; *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

56-23-5 carbon tetrachloride

PEL Long-term value: 10 ppm
Ceiling limit value: 25; 200* ppm
*5-min peak in any 3 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

96-12-8 1,2-dibromo-3-chloropropane

PEL Long-term value: 0.001 ppm
see 29 CFR 1910.1044

REL See Pocket Guide App. A

106-93-4 1,2-dibromoethane

PEL Long-term value: 20 ppm
Ceiling limit value: 30; 50* ppm
*5-min peak per 8-hr shift

REL Long-term value: 0.045 ppm
Ceiling limit value: 0.13* ppm
*15-min; See Pocket Guide App. A

TLV Skin

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107-06-2 1,2-dichloroethane

PEL Long-term value: 50 ppm
Ceiling limit value: 100; 200* ppm
*5-min peak in any 3 hrs

REL Short-term value: 8 mg/m³, 2 ppm
Long-term value: 4 mg/m³, 1 ppm
See Pocket Guide Apps. A and C

TLV Long-term value: 40 mg/m³, 10 ppm

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

REL Long-term value: 0.24 mg/m³, 0.02 ppm
Skin; See Pocket Guide App. A

TLV Long-term value: 0.21 mg/m³, 0.02 ppm
Skin

76-01-7 pentachloroethane

REL Handle with caution; See Pocket Guide App. C

79-34-5 1,1,2-tetrachloroethane

PEL Long-term value: 35 mg/m³, 5 ppm
Skin

REL Long-term value: 7 mg/m³, 1 ppm
Skin; See Pocket Guide Apps. A and C

TLV Long-term value: 6.9 mg/m³, 1 ppm
Skin

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: 1910 mg/m³, 350 ppm
BEI

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

75-69-4 trichlorofluoromethane

PEL Long-term value: 5600 mg/m³, 1000 ppm

REL Ceiling limit value: 5600 mg/m³, 1000 ppm

TLV Ceiling limit value: 5620 mg/m³, 1000 ppm

96-18-4 1,2,3-trichloropropane

PEL Long-term value: 300 mg/m³, 50 ppm

REL Long-term value: 60 mg/m³, 10 ppm
See Pocket Guide App. A

TLV Long-term value: 0.03 mg/m³, 0.005 ppm

Ingredients with biological limit values:**67-56-1 methanol**

BEI 15 mg/L

Medium: urine

Time: end of shift

Parameter: Methanol (background, nonspecific)

71-43-2 benzene

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BEI	25 µg/g creatinine Medium: urine Time: end of shift Parameter: S-Phenylmercapturic acid (background)
	500 µg/g creatinine Medium: urine Time: end of shift Parameter: t,t-Muconic acid (background)
75-15-0 carbon disulphide	
BEI	0.5 mg/g creatinine Medium: urine Time: end of shift Parameter: 2-Thiothiazolidine-4-carboxylic acid (background, nonspecific)
71-55-6 1,1,1-trichloroethane	
BEI	40 ppm Medium: end-exhaled air Time: prior to last shift of workweek Parameter: Methyl chloroform
	10 mg/L Medium: urine Time: end of workweek Parameter: Trichloroacetic acid (nonspecific, semi-quantitative)
	30 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Total trichloroethanol (nonspecific, semi-quantitative)
	1 mg/L Medium: blood Time: end of shift at end of workweek Parameter: Total trichloroethanol (nonspecific)
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)

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

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

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

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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· 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

· Appearance:

Form:	Liquid
Color:	According to product specification
Odor:	Characteristic
Odour Threshold:	Not applicable.

· pH-value: Not applicable.

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	64 °C (147 °F)

· Flash point: 11 °C (52 °F)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 455 °C (851 °F)

· Decomposition temperature: Not applicable.

· Auto igniting: Product is not selfigniting.

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

· Explosion limits:

Lower:	5.5 Vol %
Upper:	44.0 Vol %

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

· Density: Not applicable.

· Relative density: Not applicable.

· Vapor density: Not applicable.

· Evaporation rate: Not applicable.

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

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

· Viscosity:

Dynamic:	Not applicable.
Kinematic:	Not applicable.

· Solvent content:

Organic solvents:	93.0 %
VOC content:	92.0 %

Solids content: 1.4 %

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· **Other information** No further relevant information available.

10 Stability and reactivity

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

11 Toxicological information

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

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

67-56-1 methanol		
Oral	LD50	5628 mg/kg (rat)
Dermal	LD50	15800 mg/kg (rabbit)
71-43-2 benzene		
Oral	LD50	4894 mg/kg (rat)
Dermal	LD50	48 mg/kg (mouse)
Inhalative	LC50/4 h	9980 mg/l (mouse)
75-15-0 carbon disulphide		
Oral	LD50	3188 mg/kg (rat)
56-23-5 carbon tetrachloride		
Oral	LD50	2350 mg/kg (rat)
Dermal	LD50	5070 mg/kg (rat)
96-12-8 1,2-dibromo-3-chloropropane		
Oral	LD50	170 mg/kg (rat)
Dermal	LD50	1420 mg/kg (rat)
106-93-4 1,2-dibromoethane		
Oral	LD50	108 mg/kg (rat)
Dermal	LD50	300 mg/kg (rabbit)
95-50-1 1,2-dichlorobenzene		
Oral	LD50	500 mg/kg (rat)
106-46-7 1,4-dichlorobenzene		
Oral	LD50	500 mg/kg (rat)
107-06-2 1,2-dichloroethane		
Oral	LD50	670 mg/kg (rat)
Dermal	LD50	2800 mg/kg (rat)
91-20-3 naphthalene		
Oral	LD50	490 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rat)
79-34-5 1,1,2,2-tetrachloroethane		
Oral	LD50	800 mg/kg (rat)
120-82-1 1,2,4-trichlorobenzene		
Oral	LD50	756 mg/kg (rat)
71-55-6 1,1,1-trichloroethane		
Oral	LD50	10300 mg/kg (rat)
79-01-6 trichloroethylene		
Oral	LD50	2402 mg/kg (mouse)
Dermal	LD50	8450 mg/kg (mouse)
75-69-4 trichlorofluoromethane		
Oral	LD50	>15000 mg/kg (rat)

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96-18-4 1,2,3-trichloropropane

Oral	LD50	320 mg/kg (rat)
Dermal	LD50	1770 mg/kg (rabbit)

· **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

Carcinogenic.

The product can cause inheritable damage.

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

107-05-1	3-chloropropene	3
71-43-2	benzene	1
75-27-4	bromodichloromethane	2B
75-25-2	bromoform	3
56-23-5	carbon tetrachloride	2B
67-66-3	chloroform	2B
124-48-1	dibromochloromethane	3
96-12-8	1,2-dibromo-3-chloropropane	2B
106-93-4	1,2-dibromoethane	2A
95-50-1	1,2-dichlorobenzene	3
541-73-1	1,3-dichlorobenzene	3
106-46-7	1,4-dichlorobenzene	2B
107-06-2	1,2-dichloroethane	2B
75-35-4	1,1-dichloroethylene	3
78-87-5	1,2-dichloropropane	3

· **NTP (National Toxicology Program)**

71-43-2	benzene	K
75-27-4	bromodichloromethane	R
56-23-5	carbon tetrachloride	R
67-66-3	chloroform	R
96-12-8	1,2-dibromo-3-chloropropane	R
106-93-4	1,2-dibromoethane	R
106-46-7	1,4-dichlorobenzene	R
107-06-2	1,2-dichloroethane	R
67-72-1	hexachloroethane	R
98-82-8	isopropylbenzene	R
75-09-2	dichloromethane	R
91-20-3	naphthalene	R
100-42-5	styrene	R
127-18-4	tetrachloroethylene	R
79-01-6	trichloroethylene	R

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

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

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.

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- **Ecotoxicological effects:**

- **Remark:** Harmful to fish

- **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.

Harmful to aquatic organisms

- **Results of PBT and vPvB assessment**

- **PBT:**

87-68-3	hexachlorobuta-1,3-diene
87-61-6	1,2,3-trichlorobenzene
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.

- **Uncleaned packagings:**

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

14 Transport information

- **UN-Number**

- **DOT, ADR, IMDG, IATA**

UN1230

- **UN proper shipping name**

- **DOT, IATA**

Methanol

- **ADR**

1230 Methanol

- **IMDG**

METHANOL

- **Transport hazard class(es)**

- **DOT**



- **Class**

3 Flammable liquids

- **Label**

3, 6.1

- **ADR**



- **Class**

3 Flammable liquids

- **Label**

3+6.1

- **IMDG**



- **Class**

3 Flammable liquids

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acc. to OSHA HCS

Printing date 06/10/2016

Reviewed on 06/10/2016

Product Name: Stock Organic Standard

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· Label	3/6.1
· IATA	
 	
· Class	3 Flammable liquids
· Label	3 (6.1)
· Packing group	II
· DOT, ADR, IMDG, IATA	II
· Environmental hazards:	Not applicable.
· Special precautions for user	Warning: Flammable liquids
· Danger code (Kemler):	336
· EMS Number:	F-E,S-D
· Stowage Category	B
· Stowage Code	SW2 Clear of living quarters.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· 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
· UN "Model Regulation":	UN 1230 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):	
75-15-0	carbon disulphide
67-66-3	chloroform
75-34-3	1,1-dichloroethane
· Section 313 (Specific toxic chemical listings):	
67-56-1	methanol
107-05-1	3-chloropropene
71-43-2	benzene
75-27-4	bromodichloromethane
75-25-2	bromoform
75-15-0	carbon disulphide
56-23-5	carbon tetrachloride
108-90-7	chlorobenzene
67-66-3	chloroform
96-12-8	1,2-dibromo-3-chloropropane
106-93-4	1,2-dibromoethane
74-95-3	dibromomethane
95-50-1	1,2-dichlorobenzene
541-73-1	1,3-dichlorobenzene
106-46-7	1,4-dichlorobenzene
· TSCA (Toxic Substances Control Act):	
67-56-1	methanol

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107-05-1	3-chloropropene
71-43-2	benzene
108-86-1	bromobenzene
74-97-5	bromochloromethane
75-27-4	bromodichloromethane
75-25-2	bromoform
104-51-8	butylbenzene
135-98-8	sec-butylbenzene
98-06-6	tert-butylbenzene
75-15-0	carbon disulphide
56-23-5	carbon tetrachloride
108-90-7	chlorobenzene
67-66-3	chloroform
95-49-8	2-chlorotoluene

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

71-43-2	benzene
75-27-4	bromodichloromethane
75-25-2	bromoform
56-23-5	carbon tetrachloride
67-66-3	chloroform
96-12-8	1,2-dibromo-3-chloropropane
106-93-4	1,2-dibromoethane
106-46-7	1,4-dichlorobenzene
75-34-3	1,1-dichloroethane
107-06-2	1,2-dichloroethane
78-87-5	1,2-dichloropropane
100-41-4	ethylbenzene
87-68-3	hexachlorobuta-1,3-diene
67-72-1	hexachloroethane
98-82-8	isopropylbenzene

· Chemicals known to cause reproductive toxicity for females:

75-15-0	carbon disulphide
108-88-3	toluene

· Chemicals known to cause reproductive toxicity for males:

71-43-2	benzene
75-15-0	carbon disulphide
96-12-8	1,2-dibromo-3-chloropropane
106-93-4	1,2-dibromoethane
79-01-6	trichloroethylene

· Chemicals known to cause developmental toxicity:

67-56-1	methanol
71-43-2	benzene
75-15-0	carbon disulphide
67-66-3	chloroform
106-93-4	1,2-dibromoethane
108-88-3	toluene
79-01-6	trichloroethylene

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

107-05-1	3-chloropropene	C
71-43-2	benzene	A, K/L
108-86-1	bromobenzene	II
74-97-5	bromochloromethane	D
75-27-4	bromodichloromethane	B2

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Product Name: Stock Organic Standard

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75-25-2	bromoform	B2
56-23-5	carbon tetrachloride	L
108-90-7	chlorobenzene	D
67-66-3	chloroform	B2, L, NL
124-48-1	dibromochloromethane	C
106-93-4	1,2-dibromoethane	L
95-50-1	1,2-dichlorobenzene	D
541-73-1	1,3-dichlorobenzene	D
75-34-3	1,1-dichloroethane	C
107-06-2	1,2-dichloroethane	B2

· **TLV (Threshold Limit Value established by ACGIH)**

107-05-1	3-chloropropene	A3
71-43-2	benzene	A1
75-25-2	bromoform	A3
75-15-0	carbon disulphide	A4
56-23-5	carbon tetrachloride	A2
108-90-7	chlorobenzene	A3
67-66-3	chloroform	A3
106-93-4	1,2-dibromoethane	A3
95-50-1	1,2-dichlorobenzene	A4
106-46-7	1,4-dichlorobenzene	A3
75-34-3	1,1-dichloroethane	A4
107-06-2	1,2-dichloroethane	A4
75-35-4	1,1-dichloroethylene	A4
78-87-5	1,2-dichloropropane	A4
100-41-4	ethylbenzene	A3

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

71-43-2	benzene
56-23-5	carbon tetrachloride
67-66-3	chloroform
96-12-8	1,2-dibromo-3-chloropropane
106-93-4	1,2-dibromoethane
106-46-7	1,4-dichlorobenzene
107-06-2	1,2-dichloroethane
75-35-4	1,1-dichloroethylene
78-87-5	1,2-dichloropropane
87-68-3	hexachlorobuta-1,3-diene
67-72-1	hexachloroethane
75-09-2	dichloromethane
79-34-5	1,1,2,2-tetrachloroethane
127-18-4	tetrachloroethylene
79-00-5	1,1,2-trichloroethane

· **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:**

methanol
1,2-dibromo-3-chloropropane
carbon tetrachloride
1,1,2,2-tetrachloroethane

· **Hazard statements**

Highly flammable liquid and vapor.

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Product Name: Stock Organic Standard

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Toxic if inhaled.

May cause an allergic skin reaction.

May cause genetic defects.

May cause cancer.

May damage fertility or the unborn child.

Causes damage to organs.

May cause damage to organs through prolonged or repeated exposure.

· **Precautionary statements**

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

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

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

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

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

· **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** product safety department

· **Contact:**

SPEX CertiPrep, LLC.

1-732-549-7144

· **Date of preparation / last revision** 06/10/2016 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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

ACGIH: American Conference of Governmental Industrial Hygienists

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

BEL: Biological Exposure Limit

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Acute Tox. 3: Acute toxicity, Hazard Category 3

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Muta. 1B: Germ cell mutagenicity, Hazard Category 1B

Carc. 1A: Carcinogenicity, Hazard Category 1A

Repr. 1A: Reproductive toxicity, Hazard Category 1A

STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2