

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/22/2022

Version 19

Reviewed on 07/22/2022

1 Identification

- **Product identifier**
- **Trade name:**
- **Product ID#: *HOBBY ESSENCE*** **0.7839-H**
- **Product Use:** Diluent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Mayco Colors
4077 Weaver Court Court
Hilliard, OH 43016
tel. 614-876-1171
fax. 614-876-9904
- **Information department:** Product Safety Department 1 (610) 873-3200 M-F 8am-5pm
- **Emergency telephone number:** 1 856 384-7050

2 Hazard(s) identification

- **Classification of the substance or mixture**

Flammable Liquids 3	H226 Flammable liquid and vapor.
Skin Irritation 2	H315 Causes skin irritation.
Eye Irritation 2A	H319 Causes serious eye irritation.
Sensitization - Skin 1	H317 May cause an allergic skin reaction.
Germ Cell Mutagenicity 1B	H340 May cause genetic defects.
Carcinogenicity 1B	H350 May cause cancer.
Specific Target Organ Toxicity - Single Exposure 3	H335 May cause respiratory irritation.
Specific Target Organ Toxicity - Repeated Exposure 1	H372 Causes damage to the central nervous system through prolonged or repeated exposure.
Aspiration Hazard 1	H304 May be fatal if swallowed and enters airways.
Aquatic Acute 1	H400 Very toxic to aquatic life.
Aquatic Chronic 1	H410 Very toxic to aquatic life with long lasting effects.

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



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- **Signal word** Danger

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

Stoddard solvent
1,2-dichlorobenzene
lavender oil
1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one

- **Hazard statements**

H226 Flammable liquid and vapor.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H340 May cause genetic defects.
H350 May cause cancer.
H335 May cause respiratory irritation.
H372 Causes damage to the central nervous system through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

- **Precautionary statements**

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 If swallowed: Immediately call a poison center/doctor.
P321 Specific treatment (see on this label).
P331 Do NOT induce vomiting.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P312 Call a poison center/doctor if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use CO₂, sand, extinguishing powder to extinguish.
P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Hazard description:**

- **American Hazard Description**

Based upon the components the following hazards may exist:

Target Organs: Lungs, Skin, Central Nervous System

- **Classification system:**

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



Health = 2
Fire = 2
Reactivity = 0

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



Health = *2
Fire = 2
Reactivity = 0

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

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

- **Hazardous components:**

CAS: 95-50-1 EINECS: 202-425-9 RTECS: CZ 4500000	1,2-dichlorobenzene ⚠ Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Specific Target Organ Toxicity - Single Exposure 3, H335; Flammable Liquids 4, H227	≥25-<30%
CAS: 108-94-1 EINECS: 203-631-1 RTECS: GW 1050000	cyclohexanone ⚠ Flammable Liquids 3, H226; ⚠ Acute Toxicity - Dermal 3, H311; ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332	>20-<30%
CAS: 8052-41-3 EINECS: 232-489-3 RTECS: WJ 8925000	Stoddard solvent ⚠ Flammable Liquids 3, H226; ⚠ Germ Cell Mutagenicity 1B, H340; Carcinogenicity 1B, H350; Specific Target Organ Toxicity - Repeated Exposure 1, H372; Aspiration Hazard 1, H304	>20-<30%
CAS: 76-22-2 EINECS: 200-945-0 RTECS: EX1225000	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one ⚠ Flammable Solids 2, H228; ⚠ Skin Irritation 2, H315; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H335	>15-<20%

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CAS: 84776-65-8 EINECS: 283-994-0	lavender oil ⚠️ Aspiration Hazard 1, H304; ⚠️ Aquatic Chronic 2, H411; ⚠️ Skin Irritation 2, H315; Sensitization - Skin 1, H317; Flammable Liquids 4, H227; Aquatic Acute 2, H401	>8-<10%
CAS: 108-93-0 EINECS: 203-630-6 RTECS: GV 7875000	cyclohexanol ⚠️ Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Specific Target Organ Toxicity - Single Exposure 3, H335; Flammable Liquids 4, H227	>0.5-<1%
· Main components:		
CAS: 95-50-1 EINECS: 202-425-9 RTECS: CZ 4500000	1,2-dichlorobenzene ⚠️ Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); ⚠️ Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Specific Target Organ Toxicity - Single Exposure 3, H335; Flammable Liquids 4, H227	≥25-<30%
CAS: 108-94-1 EINECS: 203-631-1 RTECS: GW 1050000	cyclohexanone ⚠️ Flammable Liquids 3, H226; ⚠️ Acute Toxicity - Dermal 3, H311; ⚠️ Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332	>20-<30%
CAS: 8052-41-3 EINECS: 232-489-3 RTECS: WJ 8925000	Stoddard solvent ⚠️ Flammable Liquids 3, H226; ⚠️ Germ Cell Mutagenicity 1B, H340; Carcinogenicity 1B, H350; Specific Target Organ Toxicity - Repeated Exposure 1, H372; Aspiration Hazard 1, H304	>20-<30%
CAS: 76-22-2 EINECS: 200-945-0 RTECS: EX1225000	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one ⚠️ Flammable Solids 2, H228; ⚠️ Skin Irritation 2, H315; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H335	>15-<20%
CAS: 84776-65-8 EINECS: 283-994-0	lavender oil ⚠️ Aspiration Hazard 1, H304; ⚠️ Aquatic Chronic 2, H411; ⚠️ Skin Irritation 2, H315; Sensitization - Skin 1, H317; Flammable Liquids 4, H227; Aquatic Acute 2, H401	>8-<10%
CAS: 108-93-0 EINECS: 203-630-6 RTECS: GV 7875000	cyclohexanol ⚠️ Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Specific Target Organ Toxicity - Single Exposure 3, H335; Flammable Liquids 4, H227	>0.5-<1%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

· **Description of first aid measures**· **General information:**

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

· **After inhalation:**

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen.

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:**

Remove contaminated clothing and wash skin with soap and water. Wash or clean clothing before reuse.

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- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Immediately call a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**
Water
Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear full firefighting gear and SCBA

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear full face positive pressure air supply respirators
Wear protective equipment. Keep unprotected persons away.
Wear protective equipment. Keep unprotected persons away.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Prevent seepage into sewage system, workpits and cellars.
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.
- **Protective Action Criteria for Chemicals**

· PAC-1:		
95-50-1	1,2-dichlorobenzene	50 ppm
8052-41-3	Stoddard solvent	300 mg/m ³

· PAC-2:		
95-50-1	1,2-dichlorobenzene	170 ppm
8052-41-3	Stoddard solvent	1,800 mg/m ³

· PAC-3:		
95-50-1	1,2-dichlorobenzene	1,000 ppm

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8052-41-3 Stoddard solvent

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29500** mg/m³

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 from heat.
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:** 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:**
The application of this product requires well exhausted firing kilns and efficient ventilation of working areas.
- **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.
There is no PEL established for this mixture. Recommend monitoring based upon the components in the mixture.

95-50-1 1,2-dichlorobenzene

PEL	Ceiling limit value: 300 mg/m ³ , 50 ppm
REL	Ceiling limit value: 300 mg/m ³ , 50 ppm
TLV	Short-term value: 50 ppm Long-term value: 25 ppm A4

8052-41-3 Stoddard solvent

PEL	Long-term value: 2900 mg/m ³ , 500 ppm
REL	Long-term value: 350 mg/m ³ Ceiling limit value: 1800* mg/m ³ *15-min
TLV	Long-term value: 100 ppm

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108-93-0 cyclohexanol

PEL	Long-term value: 200 mg/m ³ , 50 ppm
REL	Long-term value: 200 mg/m ³ , 50 ppm Skin
TLV	Long-term value: 50 ppm Skin, BEI

· **Ingredients with biological limit values:****108-93-0 cyclohexanol**

BEI	- Medium: urine Time: end of shift at end of workweek Parameter: 1.2-Cyclohexanediol (with hydrolysis, nonspecific, nonquantitative)
	- Medium: urine Time: end of shift Parameter: Cyclohexanol (with hydrolysis, nonspecific, nonquantitative)

· **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:** Not required.· **Protection of hands:** Protective gloves· **Material of gloves**

- Nitrile rubber, NBR
- Chemical resistant gloves

· **Eye protection:** Tightly sealed goggles

9 Physical and chemical properties

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

Form:	Fluid
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.

pH-value:	Neutral Not determined.
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· Change in condition Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	153 °C (307.4 °F)
· Flash point:	40 °C (104 °F) (ISO 3679)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	230 °C (446 °F)
· Decomposition temperature:	Not determined.
· 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:	1.1 Vol %
Upper:	12 Vol %
· Vapor pressure at 20 °C (68 °F):	4.5 hPa (3.4 mm Hg)
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	82.9 %
Solvent (USA):	82.88 %
	828.8 g/l / 6.92 lb/gal
Solids content:	41.7 %
· 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.

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11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

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

95-50-1 1,2-dichlorobenzene

Oral	LD50	1,516 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	14.04 mg/L (rat)

108-94-1 cyclohexanone

Oral	LD50	1,900 mg/kg (rat)
Dermal	LD50	948 mg/kg (rabbit)
Inhalative	LC50/4 h	8,000 mg/L (rat)

76-22-2 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one

Oral	LD50	1,310 mg/kg (mouse)
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108-93-0 cyclohexanol

Oral	LD50	2,060 mg/kg (rat)
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- **Primary irritant effect:**

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

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

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

- **Additional toxicological information:**

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

Harmful

Irritant

The product can cause inheritable damage.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

95-50-1	1,2-dichlorobenzene	3
108-94-1	cyclohexanone	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Germ Cell Mutagenicity 1B, Carcinogenicity 1B

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

95-50-1 1,2-dichlorobenzene

Oral	LC50/96 h (static)	1.52 mg/L (fish) Oncorhynchus mykiss
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108-94-1 cyclohexanone

Oral	LC50/96 h (dynamic)	527 mg/L (fish)
	LC50/48 h	536 mg/L (fish)
	EC50/48 h	820 mg/L (daphnia)

- **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.

- **Ecotoxicological effects:**

- **Remark:** Very toxic for 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.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **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, IMDG, IATA**

UN1992

- **UN proper shipping name**

- **DOT**

Flammable liquids, toxic, n.o.s. (Turpentine substitute, o-Dichlorobenzene)

- **IMDG, IATA**

FLAMMABLE LIQUID, TOXIC, N.O.S. (TURPENTINE SUBSTITUTE, o-DICHLOROBENZENE)

- **Transport hazard class(es)**

- **DOT**



- **Class**

3 Flammable liquids

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· **Label** 3, 6.1

· **IMDG**



· **Class** 3 Flammable liquids
 · **Label** 3/6.1

· **IATA**



· **Class** 3 Flammable liquids
 · **Label** 3 (6.1)

· **Packing group**
 · **DOT, IMDG, IATA** III

· **Environmental hazards:** Product contains environmentally hazardous substances: 1,2-dichlorobenzene

· **Marine pollutant:** Yes
 Symbol (fish and tree)

· **Special marking (ADR):** Symbol (fish and tree)

· **Special precautions for user** Warning: Flammable liquids
 · **Hazard identification number (Kemler code):** 36
 · **EMS Number:** F-E,S-D
 · **Segregation groups** (SGG10) Liquid halogenated hydrocarbons
 · **Stowage Category** A

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **DOT**
 · **Quantity limitations** On passenger aircraft/rail: 60 L
 On cargo aircraft only: 220 L
 · **Remarks:** Special marking with the symbol (fish and tree).

· **IMDG**

· **Limited quantities (LQ)** 5L
 · **Excepted quantities (EQ)** Code: E1
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":** UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (TURPENTINE SUBSTITUTE, O-DICHLOROBENZENE), 3 (6.1), III, ENVIRONMENTALLY HAZARDOUS

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15 Regulatory information

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

· Section 355 (extremely hazardous substances):
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None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):
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95-50-1	1,2-dichlorobenzene	*
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· TSCA (Toxic Substances Control Act):

95-50-1	1,2-dichlorobenzene	ACTIVE
8052-41-3	Stoddard solvent	ACTIVE
76-22-2	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one	ACTIVE
108-93-0	cyclohexanol	ACTIVE

· Hazardous Air Pollutants

None of the ingredients is listed.

· Proposition 65

· Warning: This product contains a chemical known to the State of California to cause cancer

8052-41-3	Stoddard solvent	*
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· Warning: This product contains a chemical known to the State of California to cause female reproductive hazards.

None of the ingredients is listed.

· Warning: This product contains a chemical known to the State of California to cause male reproductive hazards
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None of the ingredients is listed.

· Warning: This product contains a chemical known to the State of California to cause development toxicity

None of the ingredients is listed.

· Canadian Ingredient disclosure list
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· Limit 0,1%

108-94-1	cyclohexanone
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· Limit 1%

95-50-1	1,2-dichlorobenzene
8052-41-3	Stoddard solvent

· Carcinogenicity categories

· EPA (Environmental Protection Agency)
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95-50-1	1,2-dichlorobenzene	D
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· TLV (Threshold Limit Value established by ACGIH) notations

95-50-1	1,2-dichlorobenzene	A4
108-94-1	cyclohexanone	A3
76-22-2	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one	A4

· MAK (German Maximum Workplace Concentration)

108-94-1	cyclohexanone	3B	24.6%
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· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

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- **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

- **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.

- **Relevant phrases**

H226 Flammable liquid and vapor.
 H227 Combustible liquid.
 H228 Flammable solid.
 H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H311 Toxic in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H340 May cause genetic defects.
 H350 May cause cancer.
 H372 Causes damage to organs through prolonged or repeated exposure.
 H400 Very toxic to aquatic life.
 H401 Toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.

- **Contact:**

S. Carter
 EHS Specialist

- **Date of preparation / last revision 07/22/2022 / -**

- **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

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Safety Data Sheet
acc. to OSHA HCS

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Flammable Liquids 3: Flammable liquids – Category 3
Flammable Liquids 4: Flammable liquids – Category 4
Flammable Solids 2: Flammable solids – Category 2
Acute Toxicity - Oral 4: Acute toxicity – Category 4
Acute Toxicity - Dermal 3: Acute toxicity – Category 3
Skin Irritation 2: Skin corrosion/irritation – Category 2
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Sensitization - Skin 1: Skin sensitisation – Category 1
Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B
Carcinogenicity 1B: Carcinogenicity – Category 1B
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3
Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1
Aspiration Hazard 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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

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