Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 09/20/2021 Reviewed on 09/20/2021

1 Identification

· **Product Identifier**

· **Trade Name: Hi Tech Cleaner**
· **Product Number:** 1000
· **Relevant identified uses of the substance or mixture and uses advised against:**
This low odor cleaner is designed to dissolve hardened grease and oil from metal watch and clock parts. Can be used in both ultrasonic and mechanical machines. For professional use only. Keep away from children.
· **Product Description:**
Hi Tech Cleaner does not have any ammonia fumes. It is considered safe and environmentally friendly.
· **Application of the substance / the mixture:**
Watchmakers and Clockmakers use this cleaner prior to repairing and assembling movements.

· **Details of the Supplier of the Safety Data Sheet:**
· **Manufacturer/Supplier:**
Zenith Solutions, Inc.
23 Robinson Street
Saugerties, NY 12477
Tel: 845-247-3465
Fax: 845-217-1234
Website: zenithsolutions.net
Email: zenithsolutionsinc@gmail.com
· **Emergency telephone number:**
Within USA and Canada: 1-800-424-9300 (CHEMTREC, 24 hours)
Outside USA and Canada: +1-703-527-3887 (CHEMTREC, 24 hours)

* 2 Hazard(s) Identification

· **Classification of the substance or mixture:**

Health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Acute Tox. 4 H312 Harmful in contact with skin.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H336 May cause drowsiness or dizziness.

Flam. Liq. 4 H227 Combustible liquid.

· **Label elements:**
· **Hazard pictograms:**

· **Signal word:** Danger

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· ***Hazard-determining components of labeling:***
Distillates (petroleum), hydrotreated light
2-butoxyethanol
D-limonene
Oleic acid, pure
· ***Hazard statements:***
H227 Combustible liquid.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
· ***Precautionary statements:***

P210	Keep away from flames and hot surfaces. – No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P321	Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
P331	Do NOT induce vomiting.
P302+P352	If on skin: Wash with plenty of water.
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.
P312	Call a poison center/doctor if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
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, powder or water spray to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· ***Unknown acute toxicity:***
This value refers to knowledge of known, established toxicological or ecotoxicological values.
0 % of the mixture consists of component(s) of unknown toxicity.
· ***Classification system:*** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
· ***NFPA ratings (scale 0 - 4)***

Health = 2
Fire = 2
Reactivity = 0

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· **HMIS-ratings (scale 0 - 4)**

HEALTH	2
FIRE	2
REACTIVITY	0

Health = 2
Fire = 2
Physical Hazard = 0

· **Hazard(s) not otherwise classified (HNOC):** None known

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3 Composition/Information on Ingredients

· **Chemical characterization: Substance**
· **Description:** Mixture of substances listed below with non-hazardous additions.

· **Dangerous Components:**

CAS: 64742-47-8	Distillates (petroleum), hydrotreated light Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Flam. Liq. 4, H227	Proprietary%
CAS: 97-85-8	isobutyl isobutyrate Flam. Liq. 3, H226	Proprietary%
CAS: 5989-27-5 RTECS: GW 6360000	D-limonene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Skin Irrit. 2, H315; Skin Sens. 1, H317	Proprietary%
CAS: 111-76-2 RTECS: KJ 8575000	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Flam. Liq. 4, H227	Proprietary%
CAS: 102-71-6	Triethanolamine Skin Irrit. 2, H315; Eye Irrit. 2B, H320	Proprietary%
CAS: 128-37-0 RTECS: GO 7875000	butylated hydroxytoluene Aquatic Acute 1, H400; Acute Tox. 4, H302	Proprietary%
CAS: 141-43-5 RTECS: KJ 5775000	Monoethanolamine Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Flam. Liq. 4, H227 Specific concentration limit: STOT SE 3; H335: C ≥ 5 %	Proprietary%

· **Additional information:**
The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

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4 First-Aid Measures

· **Description of first aid measures**
· **General information:**
Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.
· **After inhalation:** In case of unconsciousness place patient stably in the side position for transportation.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation occurs, consult a doctor.
· **After eye contact:**
Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.
If easy to do so, remove contact lenses if worn.
If eye irritation occurs, consult a doctor.
· **After swallowing:**
Never give anything by mouth to an unconscious person.

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To prevent aspiration of swallowed product, lay victim on side with head lower than waist.
Rinse out mouth and then drink plenty of water.
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:***
CO_2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· ***For safety reasons unsuitable extinguishing agents:*** Water with full jet
· ***Special hazards arising from the substance or mixture:***
Combustible liquid. Vapors can travel to a source of ignition and flash back.
Explosive mixtures may occur at temperatures at or above flashpoint.
If incinerated, product will release the following toxic fumes: Carbon Oxides, Nitrogen Oxides, and hydrocarbon particulate.
· ***Advice for firefighters***
· ***Special protective equipment for firefighters:***
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

* 6 Accidental Release Measures

· ***Personal precautions, protective equipment and emergency procedures:***
Ensure adequate ventilation.
Keep away from ignition sources.
Material can create slippery conditions.
· ***Environmental precautions:*** No special measures required.
· ***Methods and material for containment and cleaning up:***
Absorb with liquid-binding material (ie. sand, diatomite, universal binders), do NOT use sawdust.
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.
· ***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.

· ***PAC-1:***		
112-80-1	Oleic acid, pure	220 mg/m³
97-85-8	isobutyl isobutyrate	23 mg/m³
5989-27-5	D-limonene	15 ppm
111-76-2	2-butoxyethanol	60 ppm
102-71-6	Triethanolamine	15 mg/m³
141-43-5	Monoethanolamine	6 ppm

· ***PAC-2:***		
112-80-1	Oleic acid, pure	2,400 mg/m³
97-85-8	isobutyl isobutyrate	250 mg/m³

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5989-27-5	D-limonene	67 ppm
111-76-2	2-butoxyethanol	120 ppm
102-71-6	Triethanolamine	240 mg/m³
141-43-5	Monoethanolamine	170 ppm

· ***PAC-3:***

112-80-1	Oleic acid, pure	15,000 mg/m³
97-85-8	isobutyl isobutyrate	1,500 mg/m³
5989-27-5	D-limonene	170 ppm
111-76-2	2-butoxyethanol	700 ppm
102-71-6	Triethanolamine	1,500 mg/m³
141-43-5	Monoethanolamine	1,000 ppm

* 7 Handling and Storage

· ***Handling***
· ***Precautions for safe handling:***
Keep away from sources of ignition.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· ***Information about protection against explosions and fires:*** No special measures required.

· ***Conditions for safe storage, including any incompatibilities***
Store away from strong acids, strong bases, strong oxidizing agents, strong reducing agents and rubber.
· ***Storage***
· ***Requirements to be met by storerooms and receptacles:*** Store in the original container.
· ***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 section 7.

· ***Control parameters:***
All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.
· ***Components with occupational exposure limits:***
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituents have no known exposure limits.

64742-47-8 Distillates (petroleum), hydrotreated light	
OSHA PEL	Long-term value: 5 mg/m³
5989-27-5 D-limonene	
TWA	Short-term value: 10 mg/m³
111-76-2 2-butoxyethanol	
PEL	Long-term value: 240 mg/m³, 50 ppm Skin

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REL	Long-term value: 24 mg/m³, 5 ppm Skin
TLV	Long-term value: 20 ppm BEI, A3
102-71-6 Triethanolamine	
TLV	Long-term value: 5 mg/m³
128-37-0 butylated hydroxytoluene	
REL	Long-term value: 10 mg/m³
TLV	Long-term value: 2* mg/m³ *as inhalable fraction and vapor, A4
141-43-5 Monoethanolamine	
PEL	Long-term value: 6 mg/m³, 3 ppm
REL	Short-term value: 15 mg/m³, 6 ppm Long-term value: 8 mg/m³, 3 ppm
TLV	Short-term value: 6 ppm Long-term value: 3 ppm

· ***Ingredients with biological limit values:***

111-76-2 2-butoxyethanol	
BEI	200 mg/g creatinine urine end of shift Butoxyacetic acid (BAA) (with hydrolysis)

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

· ***Exposure controls:***
· ***Personal protective equipment***
· ***General protective and hygienic measures:***
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
· ***Breathing equipment:***
Not necessary if room is well-ventilated.
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

· ***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 cannot 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 determined and observed by the manufacturer of the protective gloves.

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· **Eye protection:**

Tightly sealed goggles

· **Body protection:**

Protective work clothing

· **Limitation and supervision of exposure into the environment:** None

* 9 Physical and Chemical Properties

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

Form:	Liquid
Color:	Amber
· **Odor:**	Mild
· **Odor threshold:**	Not determined.
· **pH-value:**	Not available
· **Change in condition**	
Melting point/Melting range:	Not determined.
· **Flash point:**	61 °C (141.8 °F)
· **Flammability (solid, gaseous):**	Not applicable.
· **Ignition temperature:**	≥255 °C (≥491 °F)
· **Decomposition temperature:**	Not determined.
· **Auto igniting:**	Product is not self-igniting.
· **Danger of explosion:**	Not determined.
· **Explosion limits:**	
Lower:	0.5 Vol %
Upper:	6.5 Vol %
· **Vapor pressure @ 20 °C (68 °F):**	≤2 hPa (≤1.5 mm Hg)
· **Density @ 20 °C (68 °F):**	0.7959 g/cm³ (6.6418 lbs/gal)
· **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.

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· **Solvent content:**
Organic solvents: 88.0 %
VOC content: 88.00 %
700.4 g/l / 5.85 lb/gal

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

* 10 Stability and Reactivity

· **Reactivity:** No further relevant information available.
· **Chemical stability:** Stable under normal conditions.
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions:** No dangerous reactions known.
· **Conditions to avoid:** Heat, flame and ignition sources.
· **Incompatible materials:**
Strong acids, strong bases, strong oxidizing agents, strong reducing agents and rubber.
· **Hazardous decomposition products:** Carbon Oxides, Nitrogen Oxides, and hydrocarbon particulate.

* 11 Toxicological Information

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

· **LD/LC50 values that are relevant for classification:**		
64742-47-8 Distillates (petroleum), hydrotreated light		
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)
5989-27-5 D-limonene		
Oral	LD50	4,400 mg/kg (Rat) Remarks: Behavioral: Change in motor activity (specific assay). Respiratory disorder Skin and Appendages: Other: Hair
Dermal	LD50	>5,000 mg/kg (Rabbit)
111-76-2 2-butoxyethanol		
Oral	LD50	1,200 mg/kg (ATE)
		470 mg/kg (Rat)
Dermal	LD50	220 mg/kg (rab)
Inhalative	LC50/4 h	2,174.91 mg/l (Rat)
102-71-6 Triethanolamine		
Oral	LD50	5,530 mg/kg (Rat)
		2,200 mg/kg (Rabbit)
	LD50 Oral	2,200 ml/kg (Guinea Pig)
		5,846 ml/kg (Mouse)
Dermal	LD50	>22,500 mg/kg (Rabbit)
128-37-0 butylated hydroxytoluene		
Oral	LD50	890 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
141-43-5 Monoethanolamine		
Oral	LD50	2,050 mg/kg (Rat)

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Trade Name: Hi Tech Cleaner

Dermal	LD50	1,000 mg/kg (Rabbit)

· ***Primary irritant effect:***
· ***On the skin:***
Irritant to skin and mucous membranes.
May cause an allergic skin reaction.
· ***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

· ***Carcinogenic categories:***
· ***IARC (International Agency for Research on Cancer):***
Group 1 - Carcinogenic to humans
Group 2A - Probably carcinogenic to humans
Group 2B - Possibly carcinogenic to humans
Group 3 - Not classifiable as to its carcinogenicity to humans
Group 4 - Probably not carcinogenic to humans

5989-27-5	D-limonene	3
111-76-2	2-butoxyethanol	3
102-71-6	Triethanolamine	3
128-37-0	butylated hydroxytoluene	3

· ***NTP (National Toxicology Program):***
None of the ingredients are listed.

· ***OSHA-Ca (Occupational Safety & Health Administration):***
None of the ingredients are listed.

* 12 Ecological Information

· ***Toxicity:***

· ***Aquatic toxicity:***	
64742-47-8 Distillates (petroleum), hydrotreated light	
EC50	25 mg/l (Trout) (OECD Test Guideline 203, 96 hour, Static Test)
5989-27-5 D-limonene	
EC50	0.36 mg/l (Daphnia) (OECD Test Guideline 202)
111-76-2 2-butoxyethanol	
EC50	1,815 mg/l (Water flea)
102-71-6 Triethanolamine	
EC50	609.98 mg/l (Daphnia)
128-37-0 butylated hydroxytoluene	
EC50	0.42 mg/l (Algae - Selenastrum capricornutum) 0.84 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.

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· **Additional ecological information:**
· **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
· **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:**
Observe all federal, state and local environmental regulations when disposing of this material.

· **Uncleaned packaging**
· **Recommendation:** Dispose of as unused product.

* 14 Transport Information

· **UN-Number:**
· **DOT** Non-Regulated Material
· **ADR/ADN, IMDG, IATA** UN3082
· **UN proper shipping name:**
· **DOT** Non-Regulated Material
· **ADR/ADN** UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum), hydrotreated light, D-limonene)
· **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum), hydrotreated light, D-limonene), MARINE POLLUTANT
· **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum), hydrotreated light, D-limonene)
· **Transport hazard class(es):**

· **DOT**
· **Class:** Non-Regulated Material

· **ADR/ADN**

· **Class:** 9 (M6) Miscellaneous dangerous substances and articles
· **Label:** 9

· **IMDG, IATA**

· **Class:** 9 Miscellaneous dangerous substances and articles
· **Label:** 9

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· **Packing group:**	
· **DOT**	Non-Regulated Material
· **ADR/ADN, IMDG, IATA**	III
· **Environmental hazards:**	Product contains environmentally hazardous substances: D-limonene, Distillates (petroleum), hydrotreated light
· **Special marking (ADR/ADN):**	Symbol (fish and tree)
· **Special marking (IATA):**	Symbol (fish and tree)
· **Special precautions for user:**	Warning: Miscellaneous dangerous substances and articles
· **Hazard identification number (Kemler code):**	90
· **EMS Number:**	F-A,S-F
· **Stowage Category**	A
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**	Not applicable.
· **Transport/Additional information:**	
· **ADR/ADN**	
· **Excepted quantities (EQ):**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **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 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DISTILLATES (PETROLEUM), HYDROTREATED LIGHT, D-LIMONENE), 9, III

* 15 Regulatory Information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
No further relevant information available.

· **SARA (Superfund Amendments and Reauthorization):**

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

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

111-76-2	2-butoxyethanol

· **TSCA (Toxic Substances Control Act):**
All components have the value ACTIVE.

· **Hazardous Air Pollutants**
None of the ingredients are listed.

· **California Proposition 65:**

· **Chemicals known to cause cancer:**
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients are listed.

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· **Chemicals known to cause developmental toxicity:**
None of the ingredients are listed.

· **New Jersey Right-to-Know List:**

97-85-8	isobutyl isobutyrate
111-76-2	2-butoxyethanol
102-71-6	Triethanolamine
128-37-0	butylated hydroxytoluene
141-43-5	Monoethanolamine

· **New Jersey Special Hazardous Substance List:**

97-85-8	isobutyl isobutyrate	F3
111-76-2	2-butoxyethanol	CA, F2
141-43-5	Monoethanolamine	CO, F2

· **Pennsylvania Right-to-Know List:**

112-80-1	Oleic acid, pure
111-76-2	2-butoxyethanol
102-71-6	Triethanolamine
128-37-0	butylated hydroxytoluene
141-43-5	Monoethanolamine

· **Pennsylvania Special Hazardous Substance List:**
None of the ingredients are listed.

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

111-76-2	2-butoxyethanol	NL

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

111-76-2	2-butoxyethanol	A3
128-37-0	butylated hydroxytoluene	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**
None of the ingredients are listed.

· **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:**
Distillates (petroleum), hydrotreated light
2-butoxyethanol
D-limonene
Oleic acid, pure

· **Hazard statements:**
H227 Combustible liquid.
H312 Harmful in contact with skin.

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H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.

· **Precautionary statements:**

P210	Keep away from flames and hot surfaces. – No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P321	Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
P331	Do NOT induce vomiting.
P302+P352	If on skin: Wash with plenty of water.
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.
P312	Call a poison center/doctor if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
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, powder or water spray to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

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

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Contact:**
· **Date of last revision/ revision number:** 09/20/2021 / 1
· **Abbreviations and acronyms:**
ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
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)

(Contd. on page 14)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 09/20/2021 *Reviewed on 09/20/2021*

Trade Name: Hi Tech Cleaner

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 and Health
OSHA: Occupational Safety & Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Liq. 3: Flammable liquids – Category 3
Flam. Liq. 4: Flammable liquids – Category 4
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

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