

Safety Data Sheet (SDS)

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

Issue date 12/17/2019

Reviewed on 12/17/2019

1 Identification

· **Product Identifier**

· **Trade Name: QED**

· **CAS Number:**

64742-48-9

· **EC number:**

265-150-3

· **Index number:**

649-327-00-6

· **Relevant identified uses of the substance or mixture and uses advised against:**

Environmentally Preferred Solvent

· **Product Description:**

QED is an exceptional solvent degreaser formulated without chlorinated solvents or other hazardous ingredients. The base for QED is a unique high-grade hydrocarbon distillate that dries very quickly without leaving a residue. QED is safe for use on all types of electrical apparatus, ferrous and non-ferrous metals and most rubber and plastic.

Product Name	Part No.	Packaging	National Stock No.
QED	0301-55	55 Gal Drum	6850-01-412-0031
QED	0301-5	5 Gal Pail	6850-01-412-0029
QED	0301-1	4 x 1 Gal Case	6850-01-411-7451

· **Application of the substance / the mixture:** Environmentally Preferred Solvent

· **Details of the Supplier of the Safety Data Sheet:**

· **Manufacturer/Supplier:**

Ecolink

2177A Flintstone Drive

Tucker, GA 30084

www.ecolink.com

800-886-8240 or 770-621-8240 (8-5 EST)

email: info@ecolink.com

· **Emergency telephone number:**

Inside the U.S.: 800-535-5053 (INFOTRAC, 24 HOURS)

Outside the U.S.: 352-323-3500 (INFOTRAC, 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.

Flam. Liq. 4 H227 Combustible liquid.

· **Label elements:**

· **Hazard pictograms:**



· **Signal word:** Danger

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

Isoparaffinic Hydrocarbon

· **Hazard statements:**

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

· **Precautionary statements:**

P210 Keep away from flames and hot surfaces. – No smoking.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P331 Do NOT induce vomiting.

P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.

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.

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

3 Composition/Information on Ingredients

· **Chemical characterization: Substance**

· **CAS No. Description**

64742-48-9 Isoparaffinic Hydrocarbon

· **Identification number(s)**

· **EC number:** 265-150-3

· **Index number:** 649-327-00-6

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:**

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

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

· **After skin contact:**

Generally, the product does not irritate the skin.

If skin irritation occurs, consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

If vomiting does occur, repeat fluid administration

If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs (aspiration). Once the vomiting ceases, place the person in the recovery position with the legs slightly raised.

If symptoms develop and/or persist, seek medical attention.

· **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.

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5 Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Regular foam, water fog, carbon dioxide or dry chemical. Class B.
- **For safety reasons unsuitable extinguishing agents:** Water
- **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 and unburnt hydrocarbon particulate.
- **Advice for firefighters**
- **Special protective equipment for firefighters:**
 Mouth respiratory protective device.
 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.
 Wear protective equipment. Keep unprotected persons away.
 Keep people at a distance and stay upwind.
 Keep away from ignition sources
- **Methods and material for containment and cleaning up:**
 Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
 Dispose contaminated material as waste according to section 13.
 Ensure adequate ventilation.
 Do not flush with water or aqueous cleansing agents
 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.
- **Protective Action Criteria for Chemicals**

· PAC-1:	350 mg/m ³
· PAC-2:	1,800 mg/m ³
· PAC-3:	40,000 mg/m ³

7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**
 Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.
 Keep receptacles tightly sealed.
- **Information about protection against explosions and fires:**
 Do not spray on a naked flame or any incandescent material.

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- **Conditions for safe storage, including any incompatibilities**
Store away from strong acids, strong bases, strong oxidizing agents and strong reducing agents.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store in a well ventilated place.
Store in a cool, dry place away from sparks and flame.
Do not store in direct sunlight.
- **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 local exhaust at filling zones and where leakage and dust formation is probable. 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:**

64742-48-9 Isoparaffinic Hydrocarbon

TWA	Short-term value: 600 mg/m ³ , 100 ppm
	Long-term value: 300 mg/m ³ , 50 ppm

- **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.
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:** Not required.
- **Material of gloves:** Not applicable.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:**



Goggles recommended during refilling.

9 Physical and Chemical Properties

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

Form:	Liquid
Color:	Clear, colorless

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- **Odor:** Odorless
- **Odor threshold:** Not determined.
- **pH-value:** Not available
- **Change in condition**
 - Melting point/Melting range:** -25 °C (-77 °F)
 - Boiling point/Boiling range:** 180 °C (356 °F)
- **Flash point:** 44 °C (111.2 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** 240 °C (464 °F)
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Not determined.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- **Explosion limits:**
 - Lower:** 0.7 Vol %
 - Upper:** 5.6 Vol %
- **Vapor pressure @ 20 °C (68 °F):** 1 hPa (0.8 mm Hg)
- **Density @ 20 °C (68 °F):** 0.785 g/cm³ (6.5508 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density @ 20 °C (68 °F):** 4.94 g/cm³ (41.2243 lbs/gal) (air=1)
- **Evaporation rate @ 20 °C (68 °F):** <1 (nBuAc=1)
- **Solubility in / Miscibility with:**
 - Water @ 20 °C (68 °F):** 0.04 g/l
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
 - VOC content:** 100 %
- **Solids content:** 0.0 %
- **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:** Elevated temperatures; decomposes with heat. Sources of ignition such as sparks, hot spots, welding, flames.
- **Incompatible materials:** Strong acids, strong bases, strong oxidizing agents and strong reducing agents.
- **Hazardous decomposition products:** Carbon Oxides.

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11 Toxicological Information

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

· LD/LC50 values that are relevant for classification:		
64742-48-9 Isoparaffinic Hydrocarbon		
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>3,000 mg/kg (rab)
Inhalative	LC50/4 h	>5,000 mg/l (Rat)
	LC50/96 hours	>100 mg/l (Trout)

- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** No irritating effect.
- **Additional toxicological information:**
- **Carcinogenic categories:**

· IARC (International Agency for Research on Cancer):
Substance is not listed.

· NTP (National Toxicology Program):
Substance is not listed.

· OSHA-Ca (Occupational Safety & Health Administration):
Substance is not listed.

12 Ecological Information

- **Toxicity:** The hazards for the aquatic environment are unknown.

· Aquatic toxicity:	
64742-48-9 Isoparaffinic Hydrocarbon	
EC50	>100 mg/l (Green algae)
	>100 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.
- **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.

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13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Observe all federal, state and local environmental regulations when disposing of this material. QED liquid is to be disposed of according to local, state, and federal regulations. Please call us if you need additional disposal information.
Under RCRA this material is considered a hazardous waste due to the flash point. The EPA hazardous waste number is D001.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport Information

- **UN-Number:**
- **DOT** Non-Regulated Material
- **ADR/ADN, IMDG, IATA** UN1223
- **UN proper shipping name:**
- **DOT** Non-Regulated Material
- **ADR/ADN** UN1223 Kerosene
- **IMDG, IATA** KEROSENE
- **Transport hazard class(es):**
- **DOT**
- **Class:** Non-Regulated Material

· **ADR/ADN**



- **Class:** 3 (F1) Flammable liquids
- **Label:** 3

· **IMDG, IATA**



- **Class:** 3 Flammable liquids
- **Label:** 3
- **Packing group:**
- **DOT** Non-Regulated Material
- **ADR/ADN, IMDG, IATA** III
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Warning: Flammable liquids
- **Stowage Category** A
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

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· **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 1223 KEROSENE, 3, III

15 Regulatory Information

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

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

Section 355 (extremely hazardous substances):	Substance is not listed.
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Section 313 (Specific toxic chemical listings):	Substance is not listed.
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TSCA (Toxic Substances Control Act):	
· California Proposition 65:	

Chemicals known to cause cancer:	Substance is not listed.
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Chemicals known to cause reproductive toxicity for females:	Substance is not listed.
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Chemicals known to cause reproductive toxicity for males:	Substance is not listed.
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Chemicals known to cause developmental toxicity:	Substance is not listed.
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New Jersey Right-to-Know List:	Substance is not listed.
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New Jersey Special Hazardous Substance List:	Substance is not listed.
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Pennsylvania Right-to-Know List:	Substance is not listed.
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Pennsylvania Special Hazardous Substance List:	Substance is not listed.
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· **Carcinogenic categories:**

EPA (Environmental Protection Agency):	Substance is not listed.
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TLV (Threshold Limit Value established by ACGIH):	Substance is not listed.
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· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

Substance is not listed.

· **GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



· **Signal word:** Danger

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

Isoparaffinic Hydrocarbon

· **Hazard statements:**

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

· **Precautionary statements:**

P210 Keep away from flames and hot surfaces. – No smoking.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P331 Do NOT induce vomiting.

P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.

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:**

Non-Regulated Material

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

16 Other Information

Ecolink, Inc. believes the information contained herein is accurate. However, Ecolink makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained by the use thereof. Ecolink, Inc. assumes no responsibility for injury from the use of the product described herein.

· **Date of last revision/ revision number:** 12/17/2019 / 4

· **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

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

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

Flam. Liq. 4: Flammable liquids – Category 4

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Asp. Tox. 1: Aspiration hazard – Category 1

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

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106