



Issue Date: 7/27/2009

Revision : 11/18/2019

1.IDENTIFICATION

ProductIdentifier

ProductName Champion 80% ETHER Starting Fluid 4580

Other means of identification

ProductCode 4580
UN/ID No UN1950

Recommended use of the chemical and restrictions on use

RecommendedUse Engine starting fluid..

Details of the supplier of the safety

datasheetSupplierAddress

Champion Brands, LLC
1001 Golden Drive
Clinton, MO 64735

Emergency TelephoneNumber

Company PhoneNumber 1-800-821-5693
Emergency Telephone (24hr) INFOTRAC 1-352-323-3500(International)
1-800-535-5053 (NorthAmerica)

2.HAZARDSIDENTIFICATION

Appearance Colorlessliquid

Physical State Aerosol

Odor Aromatic/ketone-like

Classification

Acute toxicity -Oral	Category4
Skin corrosion/irritation	Category2
Specific target organ toxicity (single exposure)	Category3
Aspiration toxicity	Category1
Flammable Aerosols	Category1

SignalWord

Danger

Hazard Statements

Harmful if swallowed
 Harmful in contact with skin
 Harmful if inhaled
 Causes skin irritation
 May be fatal if swallowed and enters airways
 May cause drowsiness and dizziness.
 Extremely flammable aerosol
 Repeated exposure may cause skin dryness or cracking

**Precautionary Statements -Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Use only outdoors or in a well-ventilated area
 Wear eye/face protection
 Do not breathe dust/fume/gas/mist/vapors/spray
 Keep away from heat/sparks/open flames/hot surfaces.—No smoking
 Do not spray on an open flame or other ignition source
 Pressurized container: Do not pierce or burn, even after use

Precautionary Statements -Response

If exposed or concerned: Get medical advice/attention
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash it before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a poison center or doctor/physician if you feel unwell
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Do not induce vomiting
 Rinse mouth

Precautionary Statements -Storage

Store locked up
 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

Precautionary Statements -Disposal

Dispose of contents/container to an approved waste disposal plant

3.COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Heptane (Hydrotreated Light Petroleum Naphtha)	64742-49-0	15-25
Di Ethyl Ether	61-50-8	75-85
Carbon dioxide	124-38-9	1-5

4.FIRST-AIDMEASURES

First AidMeasures

EyeContact	Rinseimmediatelywithplentyof water,alsoundertheeyelids,foratleast15minutes.If eye irritation persists: Get medicaladvice/attention.
Skin Contact	Washoffimmediatelywithsoapandplentyofwater.Takeoffcontaminatedclothing.Washcontaminated clothing before reuse. Get medical attention if irritationoccurs.
Inhalation	Removetofreshair.Ifnotbreathing,giveartificialrespiration. If breathing is difficult,give oxygen. Call a physician if you feelunwell.
Ingestion	Donotinducevomiting.Nevergiveanything by mouthtoanunconsciousperson.Callaphysician or poison control centerimmediately.

Most important symptoms andeffects

Symptoms	Contactmaycauseirritationand redness. Inhalation of vapors and/oraerosols inhigh concentrationmaycauseirritationofrespiratorysystem.
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Indicationofanyimmediatemedicalattentionandspecialtreatmentneeded

Notes toPhysician	Gastriclavageshouldonlybeconsideredbymedicalpersonnelfollowingintubationwitha cuffed endotrachealtube.
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5.FIRE-FIGHTINGMEASURES

Suitable ExtinguishingMedia

Drychemical.Alcoholresistantfoam.Carbondioxide(CO₂).

Unsuitable Extinguishing Media Do not use direct stream of water, material may float andreignite.

Specific Hazards Arising from theChemical

Vaporsareheavierthanairandmayspreadalongfloors.Vaporsmaytraveltosourceofignitionandflashback.

Hazardous Combustion Products Carbonoxides.

Protective equipment and precautions forfirefighters

Asinanyfire,wearself-containedbreathingapparatuspressure-demand,MSHA/NIOSH(approvedorequivalent)andfullprotectivegear.

6.ACCIDENTALRELEASEMEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required. Remove all sources of ignition.

Methods and material for containment and cleanup

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up

Contain and collect with an inert absorbent and place into an appropriate container for disposal.

7.HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not get in eyes, on skin, or on clothing. Do not throw empty containers in trash compactor.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Do not store at temperatures above 120°F. Store locked up.

Incompatible Materials Strong oxidizers. Strong acids

8.EXPOSURECONTROLS/PERSONALPROTECTION

ExposureGuidelines

ChemicalName	ACGIHTLV	OSHAPEL	NIOSHIDLH
Heptane 64742-49-0	342 ppm (1400 mgm3) 8 hours	NE	NE
Di Ethyl Ether 61-50-8	STEL: 500 ppm TWA: 400 ppm	1000 ppm	NE
Carbondioxide 124-38-9	STEL: 30000ppm TWA: 5000ppm	TWA: 5000ppm TWA: 9000mg/m ³ (vacated) TWA: 10000ppm(vacated) TWA: 18000mg/m ³ (vacated) STEL: 30000ppm(vacated) STEL:	IDLH: 40000ppm TWA: 5000ppm TWA: 9000mg/m ³ STEL: 30000ppm STEL: 54000mg/m ³

Appropriate engineeringcontrols

EngineeringControls Applytechnicalmeasrestocomplywiththeoccupationalexposurelimits.

Individualprotectionmeasures,suchaspersonalprotectiveequipment

Eye/FaceProtection Goggles.

Skin and BodyProtection Wearappropriateclothingtopreventrepeatedorprolongedskincontact.Wearlinednon-permeable rubber gloves like buna ornitrile.

RespiratoryProtection Whenworkersarefacingconcentrationsabovetheexposurelimittheymustuse appropriate certifiedrespirators.

GeneralHygieneConsiderationsHandleinaccordancewithgoodindustrialhygieneandsafetypractice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Aerosol	Odor	Aromatic/ketone-like
Appearance	Colorless liquid	Odor Threshold	Not determined
Color	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	< -17 °C / < 0 °F	
Evaporation Rate	Faster than	
Flammability (Solid, Gas)	butylacetate Not determined	
Upper Flammability Limits	ed	
Lower Flammability Limit	1.0%	
Vapor Pressure	110 psig Greater	
Vapor Density	than air 0.69-	
Specific Gravity	0.71	(1=Water)
Water Solubility	~5%	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOCC Content	96%	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Heat, flames and sparks. Avoid temperatures above 120°F. Avoid direct sunlight.

Incompatible Materials

Strong oxidizers. Strong Acids.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Mild eye irritation.
Skin Contact	Causes skin irritation. Harmful if prolonged contact with skin occurs.
Inhalation	Harmful if inhaled.
Ingestion	Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Di Ethyl Ether 61-Heptane 64742-49-0	= 1215 mg/kg (Rat)	20 mL/kg (Rabbit)	-
	No information	No information	No information

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	Not classifiable as a human carcinogen.
Reproductive toxicity	No information.
STOT - single exposure	No information.
STOT - repeated exposure	No information.
Aspiration hazard	May be fatal if swallowed and enters airways.

Numerical measures of toxicity

Not determined

12.ECOLOGICALINFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects.

ChemicalName	Algae/aquaticplants	Fish	Micotox	Water Flea
Di Ethyl Ether 61-50-8	NE	10000 mg/L LC50 96 h 2560 mg/L LC50 96 h	EC=5600 mg/L 15 min	EC50= 165 mg/L/24 h
Heptane 64742-49-0	NE	NE	NE	NE

Persistence/Degradability

Notdetermined.

Bioaccumulation

Notdetermined.

Other Adverse Effects

Notdetermined

13.DISPOSALCONSIDERATIONS**Waste TreatmentMethods****Disposal ofWastes**

Disposalshouldbeinaccordancewithapplicableregional,nationalandlocallawsandre
gulations.

ContaminatedPackaging

Disposalshouldbeinaccordancewithapplicableregional,nationalandlocallawsandre
gulations.

14.TRANSPORTINFORMATION**Note**

Please see current shipping paper for most up
to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No	UN1950
Proper ShippingName	Aerosols
HazardClass	2.1

IATA

UN/ID No	UN1950
Proper ShippingName	Aerosols, flammable
HazardClass	2.1

IMDG

UN/ID No	UN1950
Proper ShippingName	Aerosols
HazardClass	2.1
MarinePollutant	This material may meet the definition of a marine pollutant

15.REGULATORYINFORMATION**InternationalInventories**

TSCA	Listed
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Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List / Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances / European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA: None listed.

SARA313: None Listed.

CWA (Clean Water Act): None Listed.

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.
None listed.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Heptane	X	X	X
Di Ethyl Ether	X	X	X
Carbondioxide 124-38-9	X	X	X

16. OTHER INFORMATION

NFPA

Health Hazards

Not determined

Flammability

Not determined

Instability

Not determined

Special Hazards

Not determined

HMIS

Health Hazards

2

Flammability

4

Physical Hazards

0

Personal Protection

Not determined

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5/19/2015

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11/17/2015

Revision Note:

New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet