



Issue Date: 7/27/2009

Revision : 5/19/2015

1.IDENTIFICATION

ProductIdentifier

ProductName Champion 80% ETHER Starting Fluid 4580

Other means ofidentification

ProductCode 4580
UN/ID No UN1950

Recommended use of the chemical and restrictions onuse

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
ifswallowed Harmful in
contact withskinHarmful
ifinhaled
Causes skinirritation
May be fatal if swallowed and entersairways
May cause drowsiness and dizziness.
Extremely flammableaerosol
Repeated exposure may cause skin dryness or cracking

**Precautionary Statements -Prevention**

Obtain special instructions beforeuse
Donothandleuntilallsafetyprecautionshavebeenreadandunderstood Use
personal protective equipment asrequired
Washface,handsandanyexposedskinthoroughlyafterhandling
Donoteat,drinkorsmokewhenusingthisproduct
Use only outdoors or in a well-ventilatedareaWear
eye/faceprotection
Do not breathe dust/fume/gas/mist/vapors/spray
Keepawayfromheat/sparks/openflames/hotsurfaces.—NosmokingDo not
spray on an open flame or other ignitionsource
Pressurizedcontainer:Donotpierceorburn,evenafteruse

Precautionary Statements -Response

Ifexposedorconcerned:Getmedicaladvice/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/attentionTake
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	75-80
Di Ethyl Ether	61-50-8	15-20
Carbondioxide	124-38-9	3-5

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash off immediately with soap and plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation occurs.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician if you feel unwell.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Most important symptoms and effects

Symptoms	Contact may cause irritation and redness. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system.
-----------------	--

Indication of any immediate medical attention and special treatment needed

Notes to Physician	Gastric lavage should only be considered by medical personnel following intubation with a cuffed endotracheal tube.
---------------------------	---

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical. Alcohol resistant foam. Carbon dioxide (CO₂).

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

Specific Hazards Arising from the Chemical

Vapors are heavier than air and may spread along floors. Vapors may travel to source of ignition and flashback.

Hazardous Combustion Products Carbon oxides.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6.ACCIDENTALRELEASEMEASURES

Personal precautions, protective equipment and emergency procedures

PersonalPrecautions Usepersonalprotectiveequipmentasrequired.Removeallsourcesofignition.

Methods and material for containment and cleanup

Methods forContainment Prevent further leakage or spillage if safe to doso.

Methods forClean-Up

Containandcollectwithaninertabsorbentandplaceintoanappropriatecontainerfordisposal.

7.HANDLINGANDSTORAGE

Precautions for safehandling

Advice on SafeHandling

Obtainspecialinstructionsbeforeuse.Donohandleuntilallsafetyprecautionshavebeenreadandunderstood.UsepersonalprotectionrecommendedinSection8.Washthoroughly after handling. Do not eat, drink or smoke when using this product. Do notbreathedust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Keep awayfromheat/sparks/open flames/hot surfaces. — No smoking. Do not spray on an open flameorotherignitionsources.Pressurizedcontainer:Donotpierceorburn,evenafteruse.Donotget ineyes,onskin,oronclothing.Donothrowemptycontainersintrashcompactor.

Conditions for safe storage, including anyincompatibilities

StorageConditions Keepcontainerstightlyclosedinadry,coolandwell-ventilatedplace.Protectfromsunlight. Donotstoreattemperaturesabove120°F.Storelockedup.

IncompatibleMaterials Strongoxidizers.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-	= 1215 mg/kg (Rat)	20 mL/kg (Rabbit)	-
Heptane 64742-49-0	No information	No information	No information

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
-----------------	--

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

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION**Note**

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

DOT

UN/ID No	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2.1

IATA

UN/ID No	UN1950
Proper Shipping Name	Aerosols, flammable
Hazard Class	2.1

IMDG

UN/ID No	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
Marine Pollutant	This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION**International Inventories**

TSCA	Listed
-------------	--------

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
Carbon dioxide 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

Issue Date:

5/19/2015

Revision Date:

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