

**MATERIAL SAFETY DATA SHEET**  
 (Complies with OSHA Communication Standard 29 CFR 1910.1200 Dept. of Labor)

IDENTITY:

FS20 FUEL SYSTEM TUNE UP

**Section I**

Manufacturer's Name Champion Spark Plug Company	Emergency Telephone Number
Address P. O. Box 910	Telephone Number for information (419) 535-2151
900 Upton Avenue	Date Prepared March 9, 1988
Toledo, Ohio 43661	Signature of Preparer (optional)

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% Optional
Xylene (1330-20-7)	100	100		
2-Butoxyethanol (111-76-2)	25	25		
Diacetone Alcohol (123-42-2)	50	50		
Ethyl Acetate (141-78-6)	400	400		
Aliphatic Alcohol (CAS not known)	400	400		

(Percentages are proprietary)

DOT SHIPPING - Consumer Commodity ORM-D

Consumer Commodity ORM-D

**Section III - Physical/Chemical Characteristics**

Boiling <del>Range</del> Range	169°F to 342°F	Specific Gravity (H <sub>2</sub> O = 1)	
Vapor Pressure PSIG @ 70° F	100	Melting Point	0.87
Vapor Density (AIR = 1) Heavier than Air	4.0	Liquid Evaporation Rate (Butyl Acetate = 1)	N.A.
Solubility in Water	None		0.75

Appearance and Odor

AMBER SOLVENT ODOR

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used)	42°F P.M.C.C.	Flammable Limits	LEL 1.0	UEL 11.0
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Extinguishing Media  
Use water fog, dry chemical or carbon dioxide

Special Fire Fighting Procedures  
~~XXXXXXXXXXXXXXXXXXXX~~ Container could rupture from over pressurization

Unusual Fire and Explosion Hazards  
Heated cans may burst None

Section V - Reactivity Data

Stability      Unstable      Conditions to Avoid

Stable      X | High Temperatures

Incompatibility (Materials to Avoid)      None

Hazardous Decomposition or Byproducts

**Thermal-Oxides of Carbon and Nitrogen**

Hazardous Polymerization      May Occur      Conditions to Avoid

Will not Occur      X | None

Section VI - Health Hazard Data

Route(s) of Entry:      Inhalation?      Skin?      Ingestion?

   Yes      Yes      Yes

Health Hazards (Acute and Chronic)

May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin.

Effects are reversible. Long term exposure (years) vapor may cause lung, liver or kidney damage.

**Will cause eye irritation**

**The solvents listed have been reported to effect the central nervous system.**

Carcinogenicity:      NTP?      IARC Monographs?      OSHA Regulated?

Presently not on any list.

Signs and Symptoms of Exposure

Inhalation - Difficulty in breathing. Skin-redness. Ingestion-vomiting.

Medical Conditions

Generally Aggravated by Exposure: Heart Disease

Emergency and First Aid Procedures

Give oxygen - Do not induce vomiting - Gastric lavage - Wash eyes and skin with water.

**Oral toxicity greater than 5000mg/kg in rats/**

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.

**Keep all sources of flame or ignition away. Prevent entry into sewers.**

Waste Disposal Method

Dispose as hazardous waste in accordance with EPA RCRA.

Precautions to be Taken in Handling and Storing

Keep away from heat, sparks, or open flame. Store at temperatures below 120° F.

Other Precautions

None

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Self contained breathing apparatus if above TLV limit exceeding.

Ventilation	Local Exhaust	Special
	Yes	None
Mechanical (General)	Other	None
	None	None

Protective Gloves      None required if spraying      Eye Protection      Wear eye protection

Other Protective Clothing or Equipment      Long sleeve and long pants

Work Hygienic Practices      Do not smoke while spraying. Wash hands after use.