

[<< Back to Catalog Home](#)[<< Back to Results](#)[<< Back to Compare](#)

TECHNICAL CHEMICAL COMPANY - Johnsens 50% Starting Fluid

Fluid PAGE 1

MATERIAL SAFETY DATA SHEET
Effective Date: 05/19/2003 Code: 6752 Johnsens 50% Starting=====
1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Johnsens 50% Starting Fluid
 Chemical Family: ETHER
 Synonyms: None
 Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300
 Supplier: Technical Chemical Company, P.O. Box 139, Cleburne,
 TX 76033

=====
2. COMPOSITION/INFORMATION ON INGREDIENTS

ACGIH TLW	Ingredient/CAS No.	wt.%	OSHA PEL	OSHA PEL	ACGIH TLV
			TWA	Ceiling	TWA
STEL					
500 ppm	Ethyl Ether	49-60	400 ppm	Limits None	400 ppm
None	60-29-7 Methyl Hexanes	10-20	None	Established None	None
Established Established	None			Established	Established
Not Known	Propane	5-15	1000 ppm	Not Known	2500 ppm
500 ppm	74-98-6 Heptane	5-15	500 ppm	None	400 ppm
30000 ppm	142-82-5 Carbon Dioxide	2-10	2000 mg/m ³ 5000 ppm	Established Not Known	1640 mg/m ³ 5000 ppm
None	124-38-9		(exposures <10000 ppm to be cited de minimus)		
Established	Iso-Butane	2-10	None	None	None
None	72-28-5			Established	Established
Established	Dimethyl Pentanes	1-5	None	Established	Established
None	None			Established	Established
Established	Dimethyl Cyclopentanes	.1-3	None	None	None
None	None			Established	Established
Established	B200 Base Oil	.5-5	Not Known	Mist	TLV Mist
Not Known	64742-52-5			5 mg/m ³	5 mg/m ³ 8
hr					
hydroxytoluene potentially	This product contains trace amounts of (<15 ppm) of Butylated (BHT) as an inhibitor to prevent or reduce the formation of explosive peroxides.				

MATERIAL SAFETY DATA SHEET
Effective Date: 05/19/2003 Code: 6752 Johnsens 50% Starting

Fluid PAGE 2

high
nausea,
depression and
headache, dizziness,
loss, confusion,
convulsions, paralysis,
skin, eyes and
sparks and flame.
ingestion may result

Emergency Overview: Danger: Extremely flammable. Breathing concentrations of vapor or mist may cause vomiting, central nervous system (CNS) asphyxiation. Symptoms may include blurred vision, slurred speech, memory fatigue, loss of consciousness, or coma. This material is irritating to respiratory tract. Keep away from heat, Prolonged or repeated inhalation or in kidney and liver changes.

immediately
minutes
flushing.

Only induce
Never give
medical
than hips to
breathing give
mouth. If

irritation
medical attention.
launder before

Eye Contact: In case of contact, or suspected contact, flush eyes with plenty of water for at least 15 and get medical attention immediately after Do not permit victim to rub eyes. If swallowed, call a physician immediately. vomiting at the instruction of a physician. anything by mouth to an unconscious person. Get attention! If vomiting occurs, keep head lower prevent aspiration. If inhaled, remove to fresh air. If not artificial respiration, preferably mouth-to-breathing is difficult give oxygen. Get medical attention.

Inhalation: Wash with soap and water for 15 minutes. If persists or signs of toxicity occur, seek Remove contaminated clothing and shoes, and reuse.

Skin Contact:

Component)
dioxide. Alcohol
keep

Flammable Properties
Flash Point deg.F(deg.C): -76 F
Flash Point Method: TAG Closed Cup
Flammable Limits in Air - Lower (%): 1.2% (Lowest Component)
Flammable Limits in Air - Upper (%): 3.4% (Lowest Component)
Autoignition Temperature deg.F(deg.C): 356 F (Lowest

Extinguishing Media: Dry chemical. Carbon foam. Use water spray to containers cool that are

5. FIRE FIGHTING MEASURES

file:///B/Safety/MSDS/Miscellaneous%20Store%20Bought/Johnsens%2050%25%20Starting%20Fluid.htm[9/23/2025 11:30:20 AM]

exposed to

heat or flames.

Fluid PAGE 3

===== MATERIAL SAFETY DATA SHEET
Effective Date: 05/19/2003 Code: 6752 Johnsens 50% Starting

pressure self-apparatus and Vapor may cause maximum hose holders Containers can exposed to heat; quantities of water is out. case of rising devices or Monoxide.

Protection Of Fire-Fighters:
Special Fire-Fighting Procedures: Wear approved positive-contained breathing protective clothing. flash fire. Fight from a distance or use unmanned or monitor nozzles. build up pressure if cool with flooding until well after the fire Withdraw immediately in sound from venting safety discoloration of vessel. Carbon Dioxide. Carbon

Hazardous Combustion Products:
Aerosol Comments: NFPA Level 3 Aerosol

6. ACCIDENTAL RELEASE MEASURES

and equipment containers. Avoid and open container. protective protective equipment Leaking isolated, well-other suitable in an inert intended for drains, sewer or out of lakes,

Personal Precautions: Wear appropriate protective clothing to prevent skin and eye contact. Contain any liquid from leaking all sources of ignition; heat, sparks flames. Do not puncture or incinerate Contents under pressure. Wear proper equipment as specified in the section. Remove sources of ignition. containers should be removed to an ventilated area and transferred to containers. Wipe, scrape, or soak up material and put in a container flammable materials for disposal.

Spill Procedures: Environmental Precautions: Do not allow to enter sanitary surface and subsurface waters. Keep ponds or streams.

7. HANDLING AND STORAGE

away from heat ventilated area.

Handling and Storage: Caution: Contents under pressure. Keep and open flame. Use only in a well Avoid breathing vapors, if exposed to

high vapor contact with incinerate or store temperatures may cause compartment of place, out of

concentration, leave area at once. Avoid skin and eyes. Do not puncture, above 120 F. Exposure to high bursting. DO NOT store in the passenger an automobile. Store in a cool, dry direct sunlight.

Fluid PAGE 4

MATERIAL SAFETY DATA SHEET
Effective Date: 05/19/2003 Code: 6752 Johnsens 50% Starting

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

exhaust exposures to shield if clothing and well ventilated protection shall be are not exposure.

Engineering Controls: Use in a well ventilated area. Local ventilation as necessary to maintain within applicable limits. Chemical goggles; also wear a face mask if splash hazard exists. Avoid skin contact. Wear protective gloves.

Eyes: Skin Protection:

Respiratory Protection: Do not breath mist or vapor. Use in a area. Appropriate respiratory worn when applied engineering controls adequate to protect against inhalation

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless to pale yellow liquid
Odor:	Pungent sweet
pH Value:	Not Determined
Vapor Pressure:	Not Determined
Vapor Density (Air=1):	>1.5 Approximate
Boiling Point (deg.F):	-44 F (Lowest Component)
Melting/Freezing Point:	Freezing -176 F (Ether)
Solubility in Water:	Partly Soluble
Bulk Density at 20 deg.C:	Not Determined
Molecular Weight:	Mixture
Evaporation Rate:	Not Determined
Viscosity:	Not Determined
Specific Gravity (H ₂ O=1):	Not Determined
VOC Content(%):	Not Determined
Decomposition Temperature:	Not Determined

10. STABILITY AND REACTIVITY

handling flame. Avoid any to heat or Concentrated with chlorine

Chemical Stability: Conditions to Avoid: Materials to Avoid:

Stable under normal conditions of use, and transportation. Keep away from heat, sparks and source of ignition. Do not expose to temperatures above 120 F. Contact with oxidizing agents. Oxygen. Nitric acid. Avoid contact in the presence of light.

asphyxiants. Explosive acid to form

Hazardous Decomposition Products:

Carbon monoxide and other peroxides. Will react with nitric explosive nitrates.
WILL NOT OCCUR

Hazardous Polymerization:

Fluid PAGE 5

MATERIAL SAFETY DATA SHEET
Effective Date: 05/19/2003 Code: 6752 Johnsens 50% Starting

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

	Ingredient/CAS No.	wt.%	Route	Species	Dose
			Inhalation	Mice	LC50
31000 ppm/30M	Ethyl Ether 60-29-7	49-60	NA	NA	Not
Known	Methyl Hexanes None	10-20	NA	NA	Not
Known	Propane 74-98-6	5-15	NA	NA	Not
103 gm/m ³ /4H	Heptane 142-82-5	5-15	Inhalation	Rats	LC50
Known	Carbon Dioxide 124-38-9	2-10	NA	NA	Not
57 pph/15M	Iso-Butane 75-28-5	2-10	Inhalation	Rats	LC50
Known	Dimethyl Pentanes None	1-5	NA	NA	Not
Known	Dimethyl Cyclopentanes None	.1-3	NA	NA	Not
Known	B200 Base Oil 64742-52-5	.5-5	NA	NA	Not
OSHA	Carcinogenicity:				
Not Listed	Ingredient/CAS No.	wt.%	IARC	NTP	
Not Listed	Ethyl Ether 60-29-7	49-60	Not Listed	Not Listed	
Not Listed	Methyl Hexanes None	10-20	Not Listed	Not Listed	
Not Listed	Propane 74-98-6	5-15	Not Listed	Not Listed	
Not Listed	Heptane 142-82-5	5-15	Not Listed	Not Listed	
Not Listed	Carbon Dioxide 124-38-9	2-10	Not Listed	Not Listed	
Not Listed	Iso-Butane 75-28-5	2-10	Not Listed	Not Listed	
Not Listed	Dimethyl Pentanes None	1-5	Not Listed	Not Listed	
Not Listed	Dimethyl Cyclopentanes None	.1-3	Not Listed	Not Listed	
Not Listed	B200 Base Oil 64742-52-5	.5-5	Not Listed	Not Listed	

Not Listed

64742-52-5

Fluid PAGE 6

===== MATERIAL SAFETY DATA SHEET
Effective Date: 05/19/2003 Code: 6752 Johnsens 50% Starting

===== 12. ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

===== 13. DISPOSAL CONSIDERATION

Waste Classification: Residues and spilled material are hazardous waste due to ignitability.
 Waste Management: Not determined.
 Disposal should be made in accordance with federal, state and local regulations.

===== 14. TRANSPORTATION INFORMATION

U.S. DOT:
 Proper Shipping Name: Consumer Commodity
 Hazard Class: ORM-D
 UN/NA Number: Not Applicable
 DOT Packing Group: Not Applicable
 IMDG:
 Proper Shipping Name: Aerosols (Limited Quantity)
 Hazard Class: 2.1
 Hazard Subclass: Not determined
 UN No.: UN1950
 Packing Group: Not Determined
 Marine Pollutant: No

===== 15. REGULATORY INFORMATION

US Federal Regulations:

RQ	TPQ	Ingredient/CAS No.	wt.%	SARA 313	SARA 302
100 lbs	NA	Ethyl Ether 60-29-7	49-60	Not Listed	Not Listed
NA	NA	Methyl Hexanes None	10-20	Not Known	Not Known
NA	NA	Propane 74-98-6	5-15	Not Listed	Not Listed
NA	NA	Heptane 142-82-5	5-15	Not Listed	Not Listed
NA	NA	Carbon Dioxide 124-38-9	2-10	Not Listed	Not Listed
NA	NA	Iso-Butane 75-28-5	2-10	Not Listed	Not Listed
NA	NA	Dimethyl Pentanes None	1-5	Not Known	Not Known
NA	NA	Dimethyl Cyclopentanes None	.1-3	Not Known	Not Known
NA	NA	B200 Base Oil	.5-5	Not Listed	Not Listed

64742-52-5

Hazardous per OSHA 29 CFR 1910.1200

MATERIAL SAFETY DATA SHEET

Effective Date: 05/19/2003 Code: 6752 Johnsens 50% Starting

Fluid PAGE 7

SARA 311/312 Hazard Catagories: Immediate/Acute,
Delayed/Chronic, Fire

State Regulations:

	Ingredient/CAS No.	wt.%	California	California	California
California			Prop. 65	Prop. 65	Prop. 65
Prop. 65			Cancer	Developmental	Reproductive
Reproductive			List	Toxicity	Female
Male	Ethyl Ether	49-60	Not Listed	Not Listed	Not Listed
Not Listed	60-29-7 Methyl Hexanes	10-20	Not Listed	Not Listed	Not Listed
Not Listed	None Propane	5-15	Not Listed	Not Listed	Not Listed
Not Listed	74-98-6 Heptane	5-15	Not Listed	Not Listed	Not Listed
Not Listed	142-82-5 Carbon Dioxide	2-10	Not Listed	Not Listed	Not Listed
Not Listed	124-38-9 Iso-Butane	2-10	Not Listed	Not Listed	Not Listed
Not Listed	75-28-5 Dimethyl Pentanes	1-5	Not Listed	Not Listed	Not Listed
Not Listed	None Dimethyl Cyclopentanes	.1-3	Not Listed	Not Listed	Not Listed
Not Listed	None B200 Base Oil	.5-5	Not Listed	Not Listed	Not Listed
Not Listed	64742-52-5				

TSCA Inventory. U.S. TSCA: The components of this product are listed on the

16. OTHER INFORMATION

quantities to reach	General Notes: Do not allow undiluted material or large groundwater, bodies of water or sewer system.
upon tests does not INFORMATION SAFETY OF THE GOODS FOR A of usage may responsibility for including against	Disclaimer: The information and recommendations contained herein are based believed to be reliable. However, Technical Chemical Company guarantee their accuracy or completeness NOR SHALL ANY OF THIS CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE PARTICULAR PURPOSE. Adjustment to conform to actual conditions be required. Technical Chemical Company assumes no results obtained or for incidental or consequential damages, lost profits, arising from the use of these data. No warranty

infringement of any patent, copyright or trademark is made or implied.