

Material Safety Data Sheet

1. MATERIAL AND COMPANY IDENTIFICATION

Material Name : **Gumout Starting Fluid**
Uses : Starting fluid

Manufacturer/Supplier : **ITW Global Brands**
 6925 Portwest Dr., Suite 100
 Houston, TX. 77024-8042
 USA

MSDS Request : 1-855-888-1988

Emergency Telephone Number
Spill Information : (CHEMTREC) 1-800-424-9300, Local: 1-703-527-3887
Health Information : (RMPDC) 1-877-504-9352

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity	CAS No.	Concentration
Heptane	142-82-5	60.00 - 70.00 %
Ethyl ether	60-29-7	20.00 - 30.00 %
Carbon dioxide	124-38-9	5.00 - 10.00 %

3. HAZARDS IDENTIFICATION

Emergency Overview	
Appearance and Odour	: Clear pale yellow. Liquid. Ethereal. Strong.
Health Hazards	: Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.
Safety Hazards	: Contents under pressure and can explode when exposed to heat or open flame. Extremely flammable.

Health Hazards

Inhalation : Vapours may cause drowsiness and dizziness.
Skin Contact : Repeated exposure may cause skin dryness or cracking.
Eye Contact : Moderately irritating to eyes.
Ingestion : Harmful: may cause lung damage if swallowed. Under normal conditions of use, this is not expected to be a primary route of exposure.

Signs and Symptoms : Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked appearance. May cause hazy or blurred vision. If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever.

Aggravated Medical : Respiratory system. Skin. Pre-existing medical conditions of the

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Condition	following organ(s) or organ system(s) may be aggravated by exposure to this material:
Environmental Hazards	: No specific hazards under normal use conditions.
Additional Information	: Under normal conditions of use or in a foreseeable emergency, this product meets the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

4. FIRST AID MEASURES

General Information	: Keep victim calm. Obtain medical treatment immediately.
Inhalation	: Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Inhalation of vapours requires immediate medical attention.
Skin Contact	: Wash skin with water using soap if available. Wipe off excess material from exposed area.
Eye Contact	: Flush eye with copious quantities of water.
Ingestion	: If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
Advice to Physician	: Treat symptomatically. Dermatitis may result from prolonged or repeated exposure.

5. FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

Flash point	: Data not available
Upper / lower	: 1.8 - 48 %(V)
Flammability or	
Explosion limits	
Specific Hazards	: Contents are under pressure and can explode when exposed to heat or flames.
Suitable Extinguishing	: Aerosol containers may be cooled by a water fog.
Media	

6. ACCIDENTAL RELEASE MEASURES

Protective measures	: Remove all possible sources of ignition in the surrounding area. No specific measures.
Clean Up Methods	: Not applicable.
Additional Advice	: Observe all relevant local and international regulations.

7. HANDLING AND STORAGE

Handling	: Do not puncture or incinerate. Contents under pressure and can explode when exposed to heat or open flame.
Storage	: Must be stored in a well-ventilated area, away from sunlight, ignition sources and other sources of heat.

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Material	Source	Type	ppm	mg/m3	Notation
Heptane	OSHA Z1	PEL	500 ppm	2,000 mg/m3	
Heptane	OSHA Z1A	TWA	400 ppm	1,600 mg/m3	
Heptane	OSHA Z1A	STEL	500 ppm	2,000 mg/m3	
Heptane	ACGIH	TWA	400 ppm		
Heptane	ACGIH	STEL	500 ppm		
Ethyl ether	ACGIH	TWA	400 ppm		
Ethyl ether	ACGIH	STEL	500 ppm		
Ethyl ether	OSHA Z1	PEL	400 ppm	1,200 mg/m3	
Ethyl ether	OSHA Z1A	TWA	400 ppm	1,200 mg/m3	
Ethyl ether	OSHA Z1A	STEL	500 ppm	1,500 mg/m3	
Carbon dioxide	ACGIH	TWA	5,000 ppm		
Carbon dioxide	ACGIH	STEL	30,000 ppm		
Carbon dioxide	OSHA Z1	PEL	5,000 ppm	9,000 mg/m3	
Carbon dioxide	OSHA Z1A	TWA	10,000 ppm	18,000 mg/m3	
Carbon dioxide	OSHA Z1A	STEL	30,000 ppm	54,000 mg/m3	

Additional Information : Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

Biological Exposure Index (BEI) - See reference for full details

Data not available

Exposure Controls : Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

Personal Protective Equipment : Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

Respiratory Protection : Check with respiratory protective equipment suppliers.

Hand Protection : Not normally required.

Eye Protection : Keep under ...

Environmental Exposure Controls : Use only in well-ventilated areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear pale yellow. Liquid.

Odour : Ethereal. Strong.

pH : Data not available

Flash point : Data not available

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Upper / lower Flammability : 1.8 - 48 %(V)
 or Explosion limits
 Vapour density (air=1) : 2.5

10. STABILITY AND REACTIVITY

Stability : Stable under normal conditions of use.
Conditions to Avoid : Open flame.
Materials to Avoid : Not applicable.
Hazardous Decomposition Products : None expected under normal use conditions.
Hazardous Polymerisation : No
Sensitivity to Mechanical Impact : No

11. TOXICOLOGICAL INFORMATION

Basis for Assessment : Information given is based on data from components.
Acute Oral Toxicity : Expected to be of low toxicity: LD50 >2000 mg/kg Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. , Rat
Acute Dermal Toxicity : Expected to be of low toxicity: LD50 >2000 mg/kg , Rabbit
Acute Inhalation Toxicity : Expected to be of low toxicity: LC50 >20 mg/l High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death. Rat
Skin Irritation : Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.
Eye Irritation : Slightly irritating.
Respiratory Irritation : Not expected to be a respiratory irritant.
Sensitisation : Not a skin sensitiser.
Repeated Dose Toxicity : High exposures can cause drowsiness and dizziness. Central nervous system: repeated exposure affects the nervous system. Effects were seen at high doses only.
Mutagenicity : No evidence of mutagenic activity.
Carcinogenicity : Not a carcinogen.

Material	Carcinogenicity Classification
Ethyl ether	IARC 3: Classification not possible from current data.

Reproductive and Developmental Toxicity : Not a developmental toxicant.

12. ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product.

Acute Toxicity : Data not available
Mobility : Disperses in water.
Persistence/degradability : Data not available

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Bioaccumulation : Data not available
Other Adverse Effects : Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

13. DISPOSAL CONSIDERATIONS

Material Disposal : Do not dispose into the environment, in drains or in water courses.
Local Legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations.

14. TRANSPORT INFORMATION

US Department of Transportation Classification (49CFR)

Identification number UN 1950
Proper shipping name Aerosols
Class / Division 2.1

Emergency Response Guide No. 126

Additional Information Oil: This product is an oil under 49CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.

IMDG

Identification number UN 1950
Proper shipping name AEROSOLS
Class / Division 2.1
Marine pollutant: No

IATA (Country variations may apply)

Identification number UN 1950
Proper shipping name Aerosols, flammable
Class / Division 2.1

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Federal Regulatory Status

Notification Status

EINECS
TSCA

All components listed.
All components listed.

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DSL

All components listed.

Comprehensive Environmental Release, Compensation & Liability Act (CERCLA)

Gumout Starting Fluid ()	Reportable quantity: 144 lbs
Heptane (142-82-5)	Reportable quantity: 100 lbs
Ethyl ether (60-29-7)	Reportable quantity: 100 lbs

State Regulatory Status

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

New Jersey Right-To-Know Chemical List

Heptane (142-82-5)	Listed.
Ethyl ether (60-29-7)	Listed.
Carbon dioxide (124-38-9)	Listed.

Pennsylvania Right-To-Know Chemical List

Heptane (142-82-5)	Listed.
Ethyl ether (60-29-7)	Environmental hazard.
Carbon dioxide (124-38-9)	Listed.

16. OTHER INFORMATION

MSDS Version Number	: 1.0
MSDS Effective Date	: 08/27/2008
MSDS Revisions	: A vertical bar () in the left margin indicates an amendment from the previous version.
MSDS Regulation	: The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
MSDS Distribution	: The information in this document should be made available to all who may handle the product.
Disclaimer	: The information contained herein is based on our current knowledge of the underlying data and is intended to describe

Gumout Starting Fluid

MSDS# 626231LU

Version 1.0

Effective Date 08/27/2008

According to OSHA Hazard Communication Standard, 29 CFR
1910.1200

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the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.