

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION	
NFPA Rating: Health-1; Flammability-4; Reactivity-1; Special- Manufactured For: Aftermarket Auto Parts Alliance, Inc. Address: 2706 Treble Creek, Suite 100 San Antonio, TX 78258	HMIS Rating: Health-1; Flammability-4; Reactivity-1; Personal Protection-B DOT Hazard Classification: ORM-D Identity (trade name as used on label): PARTS MASTER STARTING FLUID/PART #0797 & 0798
Date Prepared: 07/25/00 Information Calls: (210) 492-4868 EMERGENCY RESPONSE NUMBER: 1(800)255-3924	Prepared By: CKH MSDS Number: 797 Revision: FIRST ISSUE NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION					
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ETHYL ETHER	60-29-7	No	400	500	d
BUTANE/PROPANE	106-97-8/74-98-6	No	N/A	1000	d
CARBON DIOXIDE	124-38-9	No	N/A	5000	d
HEPTANE	142-82-5	No	400	400	d
HIGHLY REFINED LUBRICATING OIL	64742-65-0	No	N/A	N/A	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS	
Boiling Point: 34.5 °C	Specific Gravity (H2O=1): Concentrate Only = 0.721
Vapor Pressure: PSIG @ 70°F (Aerosols): 85 - 100	Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A
Vapor Density (Air = 1): >1.5	Evaporation Rate (Butyl Acetate = 1): No Data
Solubility in Water: <1	Water Reactive: N/D
Appearance and Odor: Blue liquid & blue tinged vapor; slight ethereal odor.	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA	
FLAMMABLE OR EXPLOSIVE LIMIT (APRX. % BY VOLUME IN AIR)	: LOWER – 1.9 UPPER – 9.5
FLASH POINT (Minimum): (GAS): -76° F	EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide.
SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire exposed surfaces and to protect personnel.	
Unusual Fire & Explosion Hazards: Contents under pressure. Do not expose aerosols to temperatures above 130°F or the container may rupture.	

SECTION 4 - REACTIVITY HAZARD DATA	
STABILITY [X] STABLE [] UNSTABLE	HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): Strong oxidizers.	Conditions to Avoid: Open flame, welding arcs, heat.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.	

SECTION 5 - HEALTH HAZARD DATA	
PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [X] SKIN ABSORPTION [] EYE [] NOT HAZARDOUS	

ACUTE EFFECTS:
Inhalation: Excessive inhalation may produce symptoms of central nervous system depression, ranging from light-headedness, drowsiness, asphyxiation, cardiac arrhythmias, to unconsciousness and death.
Eye Contact: An irritant of the eyes, causing pain and general inflammation. Frostbite probable.
Skin Contact: Irritation from vapors. Probable frostbite from direct contact.
Ingestion: Irritation of gastrointestinal tract, frostbite probable and indicated by necrosis of lip and tongue (contacted tissue), blanching of skin, pain and tenderness.
CHRONIC EFFECTS: Can cause headache, mental confusion, depression, fatigue, loss of sense of balance, and visual disturbances. Excessive exposures may cause cardiac arrhythmias, and frostbite.
Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.

EMERGENCY FIRST AID PROCEDURES	
Eye Contact: Vapors: Flush with fresh water for at least 20 minutes. Liquid contact: Flush exposed area with lukewarm water or otherwise warm skin slowly. Frostbite is probable. Call a physician.	
Skin Contact: Vapor contact: Flush with fresh water for at least 20 minutes. Liquid contact: Flush exposed area with lukewarm water or otherwise warm skin slowly. Frostbite is probable. Call a physician.	
Inhalation: Remove to fresh air. Keep warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, qualified personnel should administer oxygen. Call a physician or transport to a medical facility. If no pulse, start CPR. DO NOT GIVE STIMULANTS (adrenaline, epinephrine or hand held aerosols). Keep patient at rest for 24 hours after overexposure.	
Ingestion: If ingested, keep patient calm, if conscious, and get to physician immediately. Frostbite probable and indicated by necrosis of lip and tongue (contacted tissue), blanching of skin, pain and tenderness.	

SECTION 6 - CONTROL AND PROTECTIVE MEASURES	
Respiratory Protection (specify type): Based on contamination level and working limits of the respirator, use a respirator approved by NIOSH/MSHA.	
Eye Protection: Face shield and goggles or chemical goggles should be worn.	Protective Gloves: Impervious gloves should be worn.
Ventilation Requirements: Use adequate level exhaust ventilation. Never use in a closed and confined space. Local exhaust may be necessary.	
Other Protective Clothing & Equipment: Standard work clothing. Standard work shoes; discard if shoes cannot be decontaminated. Store contaminated clothing in well-ventilated cabinets or closed containers. Wash contaminated clothing and dry before reuse.	
Hygienic Work Practices: Avoid contact with skin and avoid breathing vapors. Do not eat, drink or smoke in work area. Wash hands prior to eating, drinking or using restroom.	

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE	
Steps To Be Taken In Case Container Is Punctured And Material Is Spilled Or Released: Clean up area by mopping or with absorbent materials and place in closed container for disposal. Consult Federal, State, and local disposal authorities.	
Waste Disposal Methods: Consult local authorities for proper waste disposal procedures. Empty, de-pressurized containers cannot be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State, and local disposal authorities for approved procedures.	
Precautions To Be Taken In Handling & Storage: When utilizing pressurized containers follow standard safety practices for handling aerosols. Do not puncture or incinerate containers. Do not store at temperatures above 130°F. Odor is not an adequate warning of potentially hazardous concentrations in air. Releases of these gases may cause a flammable atmosphere with explosion potential.	
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Please read and follow the directions on the product label. They are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.	

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only