PRODUCT NAME: **Russian Starting Fluid (400ml) ABRO MASTERS**

PRODUCT NUMBER/SIZE: **SF-650-400-AM-RW / 400 ml** **Revision Date: 6/18/24**

SECTION 1
Identification of the Substance and of the Company/Undertaking

MANUFACTURER'S NAME:	**ABRO INDUSTRIES, INC.**
ADDRESS:	**3580 Blackthorn Drive South Bend, IN 46628 USA**
PRODUCT DESCRIPTION:	**Starting Fluid**
COMPANY PHONE:	**574-232-8289**
EMERGENCY 24-HR TELEPHONE:	**Chemtrec 800-424-9300 / 703-527-3887**

SECTION 2
Hazards Identification

Classification:
Flammable aerosol (Category 1)
Acute toxicity, Oral (Category 4)
Skin irritation (Category 2)
Germ cell mutagenicity (Category 2)
Carcinogenicity (Category 2) Reproductive toxicity (Category 2)
Specific target organ toxicity - single exposure (Category 3), Central nervous system Specific target organ toxicity - repeated exposure, Oral (Category 2), Nervous system Aspiration hazard (Category 1)

Label Pictogram(s):



Signal Word:	**DANGER**
Hazard Phrases:	Extremely flammable aerosol. Pressurized container, may burst if heated. Keep out of reach of children. May be fatal if swallowed and enters airways. May be harmful if inhaled. Causes skin irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. Suspected of causing genetic defects. May cause cancer. May cause damage to organs (Nervous system) through prolonged or repeated exposure if swallowed.
Precautionary Phrases:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks and open flames. Do not spray on an open flame or other ignition source. Do not piece or burn even after use. Avoid breathing dust, fumes or spray. Wash skin thoroughly

after handling. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Wear protective gloves.

Response: IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. Rinse mouth. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical attention. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam.

Storage / Disposal: Store locked up in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep container tightly closed.
Dispose of contents/ container to an approved waste disposal plant.

Other: Keep out of reach of children. If medical advice is needed, have product container or label at hand. Read label before use.

SECTION 3
Composition/Information on Ingredients

COMPONENTS	CAS Number	Percent by weight
Ether	60-29-7	45-50%
Petroleum Ether	8032-32-4	35-45%
Motor Oil	none	1-2%
LPG	68476-85-7	10-15%

SECTION 4
First Aid Measures

First Aid Measures

Immediate Medical Attention: Treat symptomatically. Vapors are irritating to the eyes and respiratory tract. Vapors may cause flash fire or explosion. Primary routes of entry are skin contact, inhalation, ingestion and eye contact.

Eyes Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

Skin Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

Ingestion Get medical attention immediately. If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air. If not breathing, give artificial respiration.
If breathing is difficult, give oxygen. Get immediate medical attention.

Signs & Symptoms Of Over Exposure:	Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over- exposure to vapor or skin exposure. Prolonged inhalation may be harmful. Prolonged or repeated skin contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Liquid aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes. This material may be harmful or fatal if swallowed. Corrosive and may cause severe and permanent damage to mouth, throat and stomach. Overexposure may cause nervous system, lung or kidney damage.
Special Treatment:	Provide general supportive measures and treat symptomatically.

SECTION 5
Fire Fighting Measures

Extinguishing media	Dry chemical, foam, carbon dioxide, sand. Water may be an ineffective extinguishing medium.
Hazardous Combustion:	This product is combustible at high temperatures. Toxic fumes, gases or vapors may evolve on burning. These may include carbon monoxide and carbon dioxide.
Protective Equipment and Precautions for firefighters:	Use water spray to cool fire-exposed containers and as a protective screen. Wear full set of protective equipment including chemical goggles and gloves.
Flammability per Flame Projection Test	Not available.

SECTION 6
Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Avoid breathing fumes if this product is used at high temperatures. Keep away from potential sources of ignition. Wash hands after handling and before eating.
Methods/materials for containment and cleanup:	Contain the discharge material. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Attempt to reclaim the free product, if this is possible.
Evacuation Procedures:	Isolate area. Keep unnecessary personnel away
Environmental precautions:	Do not allow the spilled product to enter public drainage systems or open water courses.

SECTION 7
Handling and Storage

Precautions for Safe Handling

Avoid breathing fumes if this product is used at high temperatures. Keep away from potential sources of ignition. Wash hands thoroughly after handling and before eating.

Conditions for Safe Storage

Keep the container tightly closed and in a cool, well-ventilated place. Store away from strong oxidizers. Do not store this material in open and unlabeled containers.

SECTION 8
Exposure Controls/Personal Protection

Exposure Guidelines:

If oil mists are generated, observe the OSHA exposure limit of 5 mg/m^3. No ACGIH, NIOSH or OSHA exposure guidelines listed for the products components.

Engineering Controls:

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Use good industrial hygiene practices.

Personal Protective Equipment:

Skin Chemically resistant gloves with thermal protection.

Eyes Wear safety goggles or face shield

Respiratory Under normal conditions, respirator is not normally required.

SECTION 9
Physical and Chemical Properties

Appearance and Physical State:	Transparent Liquid
Odor:	Kerosene and fragrance
Odor Threshold:	Not available.
pH:	Not determined.
Melting Point/Freezing Point:	< - 73° C
Initial boiling point & boiling range:	34.6-80° C
Flash Point:	> - 45° C (closed cup test)
Evaporation rate:	Slower than ether.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	1.1-2.5% (lower) 10.0-36% (upper)
Vapor pressure	<500 kPa
Vapor density	2.0-3.0
Relative density / Specific gravity	0.64-0.71
Solubility	Soluble (water)
Partition Coefficient n-Octanol/Water	Not Available.
Auto-ignition Temperature:	>160°C
Decomposition Temperature:	Not Available.
Viscosity:	Not Available.
%-VOC Content:	>90%

SECTION 10
Stability and Reactivity

Reactivity	Product is non-reactive under normal conditions of use.
Chemical Stability:	Stable
Possibility of hazardous reactions:	Not available.
Conditions to avoid (e.g. static discharge, shock or vibration):	Avoid excessive heat and all sources of ignition.
Incompatibilities:	Strong oxidizing agents, strong acids and strong base.
Hazardous decomposition products:	Carbon dioxide, carbon monoxide.
Hazardous polymerization:	Will not occur

SECTION 11
Toxicological Information

Toxicity Measures: **Tetrachloroethylene**	This material is typically inert. There is no data available for this product as a whole.
Chronic Effects:	No data available for the product as a whole.
NTP Carcinogen:	Not listed.
IARC Carcinogen:	Not listed.
OSHA Carcinogen:	Not listed.
Teratogenicity:	No data available for the product as a whole. No
Reproductive Effects:	data available for the product as a whole.
Mutagenicity:	No data available for the product as a whole. No
Other Information	data available for the product as a whole.

SECTION 12
Ecological Information

Ecotoxicity:	No information is available. Keep product out of sewers and waterways.
Persistence and Degradability:	No information is available.
Bioaccumulation Potential:	No information is available.
Mobility in Soil:	No information is available.
Other Adverse Effects:	No information is available.

SECTION 13
Disposal Considerations

Storage and Disposal	Keep the container tightly closed and in a cool, well-ventilated place. Store away from strong oxidizers. Do not store this material in open and unlabeled containers. Keep out of reach of children.

Waste Disposal Method: Product as shipped does not meet the definition or characteristics of a hazardous waste. No EPA waste numbers are applicable for this product's components. Incinerate the material under controlled conditions in an approved incinerator.

SECTION 14
Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

U.S. DOT	UN/ID Number:	UN1950
	Proper shipping name:	Aerosols, flammable, n.o.s.
	Hazard class:	2.1
	Packing Group:	None
	Exceptions:	May be shipped as a limited quantity or consumer commodity
	Environmental Hazards:	None
	Transport in Bulk:	Not Applicable.
	Special Precautions:	ERG#115
IMO/IMDG	UN/ID Number:	UN1950
	Proper shipping name:	Aerosols
	Hazard class:	2.1
	Packing Group:	None
	Exceptions:	May be shipped as a limited quantity
	Environmental Hazards:	None
	Transport in Bulk:	Not Applicable
	Special Precautions:	EmS F-D, S-U
ICAO/IATA	UN/ID Number:	UN1950
	Proper shipping name:	Aerosols, flammable, n.o.s.
	Hazard Class:	2.1
	Packing Group:	None
	Exceptions:	None – CARGO AIRCRAFT ONLY
	Environmental Hazards:	None
	Transport in Bulk:	Not Applicable
	Special Precautions:	None
Canada (TDG)	UN/ID Number:	UN1950
	Proper shipping name:	Aerosols
	Hazard class:	2.1
	Packing Group:	None
	Exceptions:	May be reclassified as a limited quantity.
	Environmental Hazards:	None
	Transport in Bulk:	Not Applicable
	Special Precautions:	ERG#115

SECTION 15
Regulatory Information

All components of this product are listed on the US EPA TSCA Inventory. None of the components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4). None of the product components are listed on the state lists from CA, FL, MA, MN, NJ or PA. All known (non-proprietary) components of this product are listed on the EINECS inventory of existing chemicals. None of this product's components are listed on the Canadian Controlled Product Ingredient Disclosure List.

SECTION 16
Other Information

We believe all information given is accurate. It is offered in good faith but without guarantee. Since conditions of use are beyond our control, user assumes all responsibility and risk.

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

ABBREVIATIONS:

NG="NOT GIVEN"	BT="BETWEEN"
<="LESS THAN"	>="GREATER THAN"
ND = Not Determined	NA = Not Applicable

This information is intended to provide interpretative and authoritative information in regard to the subject matter covered as a service to our clients and has been answered to the best of our ability based on the information provided to us. We do not guarantee the accuracy or completeness of any such interpretation or information, however, nor do we warrant that compliance with any advice we provide will guarantee compliance with any legal or regulatory requirements. Our statements or opinions do not convey legal interpretation and government authorities or legal counsel should be contacted for such a response.