

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Throttle Valve Cleaner ABRO MASTERS

PRODUCT NUMBER/SIZE: TVC-450, TVC-520, TVC-650

Revision Date: 11/18/2024

Section 1-Chemical product and company identification

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.
ADDRESS: 3580 Blackthorn Court South Bend, IN 46628, USA

PRODUCT DESCRIPTION: Throttle Valve Cleaner

COMPANY PHONE:

EMERGENCY 24-HR TELEPHONE: Chemtrec: US/Canada 1-800-424-9300
International +1-703-527-3887

Section 2 - Composition / Information on Ingredients

ITEM	Ingredient Name	CAS Number	% weight
01	Toluene	108-88-3	15-20%
02	Methane	74-82-8	35-40%
03	LPG	68476-85-7	30-35%
04	Carbon dioxide	124-38-9	2-5%

Section 3 - Hazards Identification

3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

flammable aerosols Category 1 -(H222)

Germ cell mutagenicity Category 1B -(H340)

Carcinogenicity Category 1B -(H350)

Reproductive Toxicity Category 2 -(H361)

Aspiration toxicity Category 1 -(H304)

Classification according to Directive 67/548/EEC or 1999/45/EC

Xn -Harmful

F+ -Extremely flammable

F+; R12

Carcinogenic, Category 1; R45

Mutagenic Category 2; R46

Xn; R65

Toxic for reproduction Category 3; R63mouth, throat and stomach.

3.2 Label elements
Symbols/Pictograms



Signal word

Hazard Statements

H222 -Extremely flammable aerosol
H304 -May be fatal if swallowed and enters airways
H340 -May cause genetic defects
H350 -May cause cancer
H361 -Suspected of damaging fertility or the unborn child
P264 -Wash face, hands and any exposed skin thoroughly after handling
P273 -Avoid release to the environment
P301 + P310 -IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331 -Do NOT induce vomiting
P405 -Store locked up
P501 -Dispose of contents/ container to an approved waste disposal plant
P210 -Keep away from heat/sparks/open flames/hot surfaces. -No smoking
P211 -Do not spray on an open flame or other ignition source
P251 -Pressurized container: Do not pierce or burn, even after use
P410 + P412 -Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 ° F

3.3 Other hazards

No information available

Section 4 - First aid measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

FIRST AID - SKIN CONTACT: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - 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.

Section 5 - Fire-Fighting Measures

Extinguishing Media: Dry chemical, foam, carbon dioxide., sand . Water jets are not suitable for fire fighting.

General Fire Hazards: Flammable liquid.Do not spray near sources of ignition such as open flames, sparks, hot surfaces or burning cigarettes. Aerosol cans may explodes if heated above 54 degrees Celsius.

Fire-Fighting Equipment/Instructions: Wear self-contained breathing apparatus. If possible remove aerosol containers from the vicinity of the fire. Otherwise keep containers as cool as possible by spraying with water from a protected position.

Section 6 - Accidental Release Measures

Containment Procedures: Contain the discharge material. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

Clean-Up Procedures: Attempt to reclaim the free product, if this is possible. If molten product spilled, solidify and recover.

Evacuation Procedures: Isolate area. Keep unnecessary personnel away.

Special Instructions: Avoid inhalation of fumes from molten product. Avoid skin contact with molten resins. Wear appropriate protective equipment and clothing during clean-up. Do not allow the spilled product to enter public drainage systems or open water courses.

Section 7 - Handling and Storage

Procedures for Handling: 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.

Recommended Storage Methods: 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:

A. General Product Information - If oil mists are generated, observe the OSHA exposure limit of 5 mg/m³.

B. Component Exposure Limits - No ACGIH, NIOSH or OSHA exposure guidelines listed for the product's components.

Engineering Controls: Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

Eye / Face Protection: Wear safety goggles or faceshield when working with melted material.

Skin Protection: Chemically resistant gloves with thermal protection when working with melted paraffin.

Respiratory Protection: Under normal conditions, respirator is not normally required.

General: Use good industrial hygiene practices.

Section 9 - Physical and Chemical Properties

Physical State: liquid

Appearance: transparent

Odor: Fragrance

Odor Threshold: Not available

Vapor Pressure(kPa): 13.83 (20)

Vapor Density:(water=1): 0.91±0.05

Flash Point:<28

Boiling Point: 100°C

Melting Point: >35°C

% Volatile :40-60

Evaporation Rate: slow

pH: 7

Section 10 - Stability and Reactivity

Chemical Stability: Stable

Hazardous Polymerization: Hazard polymerization will not occur.

Chemical Incompatibilities: Strong oxidizing agents, strong acids and strong base

Conditions to Avoid (Stability): Avoid excessive heat and all sources of ignition.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.

Section 11- Toxicological Information

Acute Toxicity / Target Organ Information:

A. General Product / Component Information - This material is typically inert. Paraffin fumes are a result of overheating product. Fumes are known to be mildly irritating to the nose, throat, and eyes.

B. Component LD50 / LC50 - No data available for product.

Epidemiology: No data available for product.

Carcinogenicity:

A. General Product / Component Information - Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

B. Component Carcinogenicity Listings - None of this product's components are listed by ACGIH, IARC, NIOSH, NTP or OSHA.

Teratogenicity / Reproductive Effects: No data available for the product as a whole.

Neurotoxicity: No data available for the product as a whole.

Mutagenicity: No data available on this product as a whole.

Other Information: No other information available.

Section 12 - Ecological Information

Ecotoxicity: No information is available on ecotoxicity of this product. Keep product out of sewers and waterways.

Environmental Fate: No information is available.

Section 13 - Disposal Considerations

U.S. EPA Waste Number & Descriptions:

A. General Product Information - Product as shipped does not meet the definition or characteristics of a hazardous waste.

B. Component Waste Numbers - No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions: Incinerate the material under controlled conditions in an approved incinerator.

Section 14 - Transport Information

Proper Shipping Name: Aerosol

Hazard Class: 2.1

Identification number: N/A

ADR/RID class: 2.1
IMDG Class:IMO 2.1
ICAO/IATA Class: 2.1
Packing Group: II
EMS Number: F-D S-D S-U
MFAG: F-D S-D S-U
UN-Number: 1950

Section 15 - Regulatory Information

U.S. Federal Regulatory Information:

- A. General Product Information - All components of this product are listed on the U.S. EPA TSCA Inventory.
- B. Component Information - None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4).

State Regulations:

- A. General Product Information - No components require labeling under California Proposition 65.
- B. Component Information - None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

Other Regulations:

- A. General Product Information - All known (non-proprietary) components of this product are listed on the EINECS inventory of existing chemicals.
- B. Component Information - None of this product's components are listed on the Canadian Controlled Product Ingredient Disclosure List.

Section 16 - Other Information

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ABBREVIATIONS:

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