



## Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 09.19.2017

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### Aerosol Rub-O Matic

#### SECTION 1: Identification

##### Product identifier

**Product name:** Aerosol Rub-O Matic

**Product code:** 704A

**Additional information:** Rev. 8

##### Recommended use of the product and restriction on use

**Relevant identified uses:** Rubber cleaner

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

##### Manufacturer or supplier details

###### Manufacturer:

###### North America

Tech International  
200 E. Coshocton St.  
Johnstown, Ohio 43031  
740-967-9015  
www.tech-international.com

###### Supplier:

###### North America

Tech International  
200 East Coshocton Street  
Johnstown, OH 43031  
1-740-967-9015  
www.tech-international.com

##### Emergency telephone number:

###### North America

CHEMTREC

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1-703-527-3887

#### SECTION 2: Hazard identification

##### GHS classification:

Flammable aerosols, category 1

Skin irritation, category 2

Specific target organ toxicity - single exposure, category 3, central nervous system

Aspiration hazard, category 1

Compressed gases

##### Label elements

###### Hazard pictograms:



**Signal word:** Danger

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#### Hazard statements:

- H222 Extremely flammable aerosol
- H280 Contains gas under pressure; may explode if heated
- H315 Causes skin irritation
- H336 May cause drowsiness or dizziness
- H304 May be fatal if swallowed and enters airways

#### Precautionary statements:

- 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
- P264 Wash skin thoroughly after handling
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P271 Use only outdoors or in a well-ventilated area
- P321 Specific treatment (see supplemental first aid instructions on this label).
- P302+P352 IF ON SKIN: Wash with soap and water
- P362 Take off contaminated clothing and wash before reuse
- P332+P313 If skin irritation occurs: Get medical advice/attention
- P301+P310 IF SWALLOWED: Immediately call a poison center or doctor/physician
- P331 Do not induce vomiting
- P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
- P405 Store locked up
- P403+P233 Store in a well ventilated place. Keep container tightly closed
- P501 Dispose of contents and container as instructed in Section 13

Hazards not otherwise classified: None

### SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 64742-89-8	Solvent naphtha (petroleum), light aliphatic	55-65
CAS number: 142-82-5	Heptane	10-20
CAS number: 74-98-6	Propane	7-10
CAS number: 75-28-5	Isobutane	3-5

Additional Information: None

### SECTION 4: First-aid measures

#### Description of first-aid measures

##### General notes:

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Not determined or not available.

#### After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention

#### After skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention

#### After eye contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention

#### After ingestion:

This product presents an aspiration hazard. If aspiration is suspected, seek emergency medical treatment. If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention

### Most important symptoms and effects, both acute and delayed

#### Acute symptoms and effects:

Skin contact may result in redness, pain, burning and inflammation

Inhalation may have adverse effects on the central nervous system. Symptoms may include drowsiness, dizziness, headache, nausea and lowering of consciousness. Acute overexposure via inhalation may result in respiratory distress, confusion and unconsciousness

May be fatal if swallowed and enters airways. Aspiration may cause pulmonary oedema and pneumonitis. Symptoms may include shortness of breath, dry cough and irritation of the nose, eyes, lips, mouth and throat

Pressurized containers are prone to bursting if mishandled and causing physical injury

Inhalation of a large concentration may displace oxygen and lead to asphyxiation

#### Delayed symptoms and effects:

Symptoms of pulmonary oedema may be delayed

Effects are dependent on exposure (dose, concentration, contact time)

### Immediate medical attention and special treatment

#### Specific treatment:

Aspiration of this product following ingestion requires emergency medical treatment

Overexposure via inhalation requires urgent medical treatment

#### Notes for the doctor:

Treat symptomatically

## SECTION 5: Fire-fighting measures

### Extinguishing media

#### Suitable extinguishing media:

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam

#### Unsuitable extinguishing media:

Do not use water jet

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#### Specific hazards during fire-fighting:

Flammable liquid under pressure. Containers may explode when heated. Ruptured cylinders pose a projectile hazard. Vapor/gas is often heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas and travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create a fire or explosion hazard. Thermal decomposition may produce irritating/toxic fumes/gases

#### Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode. Use shielding to protect against bursting containers

#### Special precautions:

Evacuate non-essential personnel. Ventilate closed spaces before entering. Consider initial evacuation for 800 meters in all directions. If tank/rail car is involved in the fire, ISOLATE for 800 meters in all directions. Move containers from fire area if safe to do so. Fight fire from a maximum distance. Use water spray/fog for cooling fire exposed containers. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Avoid unnecessary run-off of extinguishing media which may cause pollution. Do not handle damaged containers unless specialized to do so

### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Do not get on skin, eyes or on clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse

#### Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided

#### Methods and material for containment and cleaning up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Avoid breathing dust, mist, fumes, vapors or spray. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13)

#### Reference to other sections:

For personal protective equipment see Section 8. For disposal see Section 13

### SECTION 7: Handling and storage

#### Precautions for safe handling:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools. Do not puncture, pressurize or incinerate. Inspect all cylinders and valves for damage. Make sure cylinders are not giving off an odour or making a hissing sound. Never open a damaged valve. Never tamper with safety devices in cylinders, valves or equipment. Handle containers with caution. Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not

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in use.

#### **Conditions for safe storage, including any incompatibilities:**

Store in cool, dry, well-ventilated location out of direct sunlight. Store upright. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Containers less than 230 liters should be kept in a fire-resistant storage cabinet or inside storage room rated for fire resistance. Do not store near exits or oxygen cylinders. Consider the use of leak detection and alarm equipment. Store away from incompatible materials (See Section 10).

### SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

#### **Occupational Exposure limit values:**

Country (Legal Basis)	Substance	Identifier	Permissible concentration
Canada	Solvent naphtha (petroleum), light aliphatic	64742-89-8	Alberta OELs - 8-Hour TWA Exposure Limit: 400 ppm (1590 mg/m <sup>3</sup> ) [Naphtha (Rubber solvent)]
	Solvent naphtha (petroleum), light aliphatic	64742-89-8	Quebec OELs - 8-Hour TWA Exposure Value: 400 ppm (1590 mg/m <sup>3</sup> )
	Solvent naphtha (petroleum), light aliphatic	64742-89-8	Saskatchewan OELs - 8 Hour Average Contamination Limit: 400 ppm
	Propane	74-98-6	Alberta TWA 8-hr: 1,000 ppm
	Solvent naphtha (petroleum), light aliphatic	64742-89-8	Saskatchewan OELs - 15 Minute Average Contamination Limit: 500 ppm
	Isobutane	75-28-5	British Columbia OELs - 8-Hour TWA Exposure Value: 1000 ppm
	Propane	74-98-6	Ontario TWA 8-hr: 1,000 ppm
	Isobutane	75-28-5	Manitoba OELs - 15-minute STEL: 1000 ppm
	Propane	74-98-6	Quebec TWA 8-hr: 1,800 mg/m <sup>3</sup> (1,000 ppm)
	Isobutane	75-28-5	Ontario OELs - 8-Hour TWA Exposure Value: 800 ppm (Butane, All isomers)
	Isobutane	75-28-5	Ontario OELs - 8-Hour TWA Exposure Value: 1000 ppm (Natural Gas, Aliphatic hydrocarbon gases)
	Isobutane	75-28-5	Saskatchewan OELs - 8 hour average contamination limit: 1000 ppm
	Isobutane	75-28-5	Saskatchewan OELs - 15 minute average contamination limit: 1250 ppm
	Isobutane	75-28-5	STEL: 1000 ppm

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Heptane	142-82-5	Alberta OELs - 8-Hour TWA Exposure Limit: 400 ppm (1640 mg/m <sup>3</sup> )
	Heptane	142-82-5	Alberta OELs - 15-minute STEL: 500 ppm (2050 mg/m <sup>3</sup> )
	Heptane	142-82-5	British Columbia OELs - 8-Hour TWA Exposure Value: 400 ppm
	Heptane	142-82-5	British Columbia OELs - 15-minute STEL Value: 500 ppm
	Heptane	142-82-5	Manitoba OELs - 8-Hour Exposure Limit (TLV-TWA): 400 ppm
	Heptane	142-82-5	Manitoba OELs - 15-minute STEL Limit: 500 ppm
	Heptane	142-82-5	Ontario OELs - 8-Hour TWA Exposure Value (TWA): 400 ppm
	Heptane	142-82-5	Ontario OELs - 15-minute STEL (STEL): 500 ppm
	Heptane	142-82-5	Quebec OELs - 8-Hour TWA Exposure Value: 400 ppm (1640 mg/m <sup>3</sup> )
	Heptane	142-82-5	Quebec OELs - 15-minute STEL: 500 ppm (2050 mg/m <sup>3</sup> )
	Heptane	142-82-5	Saskatchewan OELs - 8 Hour Average Contamination Limit: 400 ppm
	Heptane	142-82-5	Saskatchewan OELs - 15 Minute Average Contamination Limit: 500 ppm

#### Biological limit values:

No biological exposure limits noted for the ingredient(s).

#### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

Biological monitoring may also be appropriate for some substances.

#### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Use explosion-proof ventilation equipment.

#### Personal protection equipment

##### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

##### Skin and body protection:

Wear appropriate clothing to prevent any possibility of skin contact.

For continuous contact we recommend nitrile gloves with breakthrough time of more than 240 minutes

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with preference for > 480 minutes where suitable gloves can be identified.

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

#### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance (physical state, color):	Clear liquid
Odor:	Strong solvent
Odor threshold:	Not determined or not available.
pH-value:	Not determined or not available.
Melting/Freezing point:	Not determined or not available.
Boiling point/range:	Not determined or not available.
Flash point:	15.8°F (-9°C)
Evaporation rate:	Not determined or not available.
Flammability (solid, gaseous):	Not determined or not available.
Explosion limit upper:	Not determined or not available.
Explosion limit lower:	Not determined or not available.
Vapor pressure:	Not determined or not available.
Vapor density:	Not determined or not available.
Density:	Not determined or not available.
Relative density:	0.724
Solubilities:	Not determined or not available.
Partition coefficient (n-octanol/water):	Not determined or not available.
Auto/Self-ignition temperature:	Not determined or not available.
Decomposition temperature:	Not determined or not available.
Dynamic viscosity:	Not determined or not available.
Kinematic viscosity:	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

#### Other information

### SECTION 10: Stability and reactivity

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**Reactivity:**

Does not react under normal conditions of use and storage.

**Chemical stability:**

Stable under normal conditions of use and storage.

**Possibility of hazardous reactions:**

None under normal conditions of use and storage.

**Conditions to avoid:**

Prevent exposure to heat, sparks, flame and other sources of ignition.

**Incompatible materials:**

None known.

**Hazardous decomposition products:**

None known.

### SECTION 11: Toxicological information

**Acute toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Route	Result
Solvent naphtha (petroleum), light aliphatic	oral	LD50 Rat: >5000 mg/kg
	dermal	LD50 Rabbit: >2000 mg/kg
Heptane	inhalation	LC50 Rat: > 29.29 mg/L (4 hr)
	oral	LD50 Rat: > 5000 mg/kg
	dermal	LD50 Rabbit: > 2000 mg/kg

**Skin corrosion/irritation****Assessment:**

Causes skin irritation

**Product data:**

No data available.

**Substance data:**

Name	Result
Heptane	Causes skin irritation
	Causes skin irritation.

**Serious eye damage/irritation**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

**Respiratory or skin sensitization**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**



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No data available.

**Substance data:** No data available.

#### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Species	Result
Solvent naphtha (petroleum), light aliphatic	Not applicable	The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

#### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

Name	Result
Solvent naphtha (petroleum), light aliphatic	The classification as a mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

#### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

#### Specific target organ toxicity (single exposure)

**Assessment:**

May cause drowsiness or dizziness

**Product data:**

No data available.

**Substance data:**

Name	Result
Heptane	May cause drowsiness or dizziness.

#### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

#### Aspiration toxicity

**Assessment:**

May be fatal if swallowed and enters airways

**Product data:**

No data available.

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#### Substance data:

Name	Result
Solvent naphtha (petroleum), light aliphatic	May be fatal if swallowed and enters airways.
Heptane	May be fatal if swallowed and enters airways.

#### Information on likely routes of exposure:

No data available.

#### Symptoms related to the physical, chemical and toxicological characteristics:

Refer to Section 4 of this SDS.

#### Other information:

No data available.

### SECTION 12: Ecological information

#### Acute (short-term) toxicity

##### Assessment:

Very toxic to aquatic life

**Product data:** No data available.

##### Substance data:

Name	Result
Heptane	LC50 - Carassius auratus (goldfish) - 4 mg/l - 24.0 h
	EC50 - Daphnia magna - 82.5 mg/L - 96 h
	EC50 Daphnia magna: 1.5 mg/L (48 hr)
Solvent naphtha (petroleum), light aliphatic	LC50 Oncorhynchus mykiss: 10 mg/L (96 hr)

#### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

##### Substance data:

Name	Result
Solvent naphtha (petroleum), light aliphatic	NOEC Daphnia magna: 2.6 mg/L (21 d)
Heptane	NOEC Oncorhynchus mykiss: 1.28 mg/L (28 days)

#### Persistence and degradability

**Product data:** No data available.

##### Substance data:

Name	Result
Heptane	Readily biodegradable in water.

#### Bioaccumulative potential

**Product data:** No data available.

##### Substance data:

Name	Result
Heptane	Calculated BCF: 552 (Not expected to bioaccumulate).

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### Mobility in soil

**Product data:** No data available.

**Substance data:**

Name	Result
Heptane	Moderately Mobile (log Koc: 2.38)

**Other adverse effects:** No data available.



## SECTION 13: Disposal considerations

### Disposal methods:



Dispose in accordance with all applicable regulations. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

## SECTION 14: Transport information



### Canadian Transportation of Dangerous Goods (TDG)

UN number	UN1950
UN proper shipping name	Aerosols, flammable (Propane, Isobutane)
UN transport hazard class(es)	2.1  
Packing group	None
Environmental hazards	Marine Pollutant (Heptane)
Special precautions for user	None
Excepted quantities	E0

### International Maritime Dangerous Goods (IMDG)

UN number	UN1950
UN proper shipping name	Aerosols, flammable (Propane, Isobutane)
UN transport hazard class(es)	2.1  
Packing group	None
Environmental hazards	Marine Pollutant (Heptane)
Special precautions for user	None

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	UN1950
UN proper shipping name	Aerosols, flammable (Propane, Isobutane)
UN transport hazard class(es)	2.1  

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Packing group	None
Environmental hazards	Marine Pollutant (Heptane)
Special precautions for user	None
ERG code	10L
Excepted quantities	E0
Limited quantity	30 kg G

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
Bulk Name	None
Ship type	None
Pollution category	None

### SECTION 15: Regulatory information

#### Canada regulations

**Domestic substances list (DSL):** All ingredients are listed or exempt.

**Non-domestic substances list (NDSL):** None of the ingredients are listed.

### SECTION 16: Other information

**Abbreviations and Acronyms:** None

#### Disclaimer:

This product has been classified in accordance with the Canadian Hazardous Products Regulations and WHMIS 2015. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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**End of Safety Data Sheet**