



Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 09.19.2017

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Revision date: 08.25.2020

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

Emergency telephone number:

United States

CHEMTREC
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1-703-527-3887

SECTION 2: Hazard(s) 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

Hazard statements:

H222 Extremely flammable aerosol

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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	50-80
CAS number: 142-82-5	Heptane	<30
CAS number: 74-98-6	Propane	<15
CAS number: 75-28-5	Isobutane	<10

Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

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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 swallowing:

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: Firefighting 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

Specific hazards during fire-fighting:

Flammable liquid under pressure. Containers may explode when heated. Ruptured cylinders pose a

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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 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

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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
ACGIH	Propane	74-98-6	ACGIH TLV TWA 2,500 ppm
	Isobutane	75-28-5	ACGIH STEL 1000 ppm
	Heptane	142-82-5	ACGIH TLV TWA: 400 ppm
	Heptane	142-82-5	15-minute Short term exposure limit: 1000 mg/m ³
	Heptane	142-82-5	8-hour TWA: 400 ppm
	Heptane	142-82-5	15-minute STEL: 500 ppm
NIOSH	Isobutane	75-28-5	NIOSH TWA 1,900 mg/m ³ ; 800 ppm
	Propane	74-98-6	NIOSH REL TWA 1,000 ppm (1,800 mg/m ³)
	Solvent naphtha (petroleum), light aliphatic	64742-89-8	IDLH: 1000 ppm [Naphtha (Coal tar)]
	Solvent naphtha (petroleum), light aliphatic	64742-89-8	REL (for up to a 10-hour workday during a 40-hour workweek): 100 ppm (400 mg/m ³) [Naphtha (Coal tar)]
	Heptane	142-82-5	NIOSH TWA: 350 mg/m ³ (85 ppm)
	Propane	74-98-6	IDLH: 2100 ppm
	Heptane	142-82-5	10-hour REL: 350 mg/m ³ (85 ppm)
	Heptane	142-82-5	IDLH: 750 ppm
	Heptane	142-82-5	Ceiling limit: 1800 mg/m ³ (440 ppm) [15-minutes]
United States (OSHA)	Propane	74-98-6	OSHA PEL TWA 1,000 ppm (1,800 mg/m ³)
	Solvent naphtha (petroleum), light aliphatic	64742-89-8	PEL 100 ppm (400 mg/m ³)
	Heptane	142-82-5	OSHA PEL TWA: 500 ppm
	Heptane	142-82-5	OSHA PEL TWA 2,000 mg/m ³
	Heptane	142-82-5	8-hour PEL-TWA: 2000 mg/m ³ (500 ppm)
United States (California)	Solvent naphtha (petroleum), light aliphatic	64742-89-8	8-hour TWA-PEL: 400 ppm (1600 mg/m ³) [Rubber solvent (naphtha)]
	Solvent naphtha (petroleum), light aliphatic	64742-89-8	8-hour TWA: 300 ppm (1350 mg/m ³) [Varnish makers and painters]

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Solvent naphtha (petroleum), light aliphatic	64742-89-8	15-minute STEL: 400 ppm (1800 mg/m ³) [Varnish makers and painters]
	Propane	74-98-6	8-hr PEL TWA 1,000 ppm (1,800 mg/m ³)
	Heptane	142-82-5	8-hour TWA: 400 ppm
	Heptane	142-82-5	15-minute STEL: 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 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.

Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Comply with the OSHA respirator regulations found in 29 CFR 1910.134.

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	Clear liquid
Odor	Strong solvent

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Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	15.8°F (-9°C)
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	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

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:

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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:

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).

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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.

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)

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Name	Result
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).

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

United States Transportation of dangerous goods (49 CFR DOT)

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

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Stowage category	A
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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  
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

United States regulations

Inventory listing (TSCA): All ingredients are listed or exempt.

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances: None of the ingredients are listed.

SARA Section 313 toxic chemicals: None of the ingredients are listed.

CERCLA: None of the ingredients are listed.

RCRA: None of the ingredients are listed.

Section 112(r) of the Clean Air Act (CAA):

74-98-6	Propane	Listed
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75-28-5	Isobutane	Listed
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Massachusetts Right to Know:

64742-89-8	Solvent naphtha (petroleum), light aliphatic	Listed
142-82-5	Heptane	Listed
74-98-6	Propane	Listed
75-28-5	Isobutane	Listed

New Jersey Right to Know:

64742-89-8	Solvent naphtha (petroleum), light aliphatic	Listed
142-82-5	Heptane	Listed
74-98-6	Propane	Listed
75-28-5	Isobutane	Listed

New York Right to Know:

64742-89-8	Solvent naphtha (petroleum), light aliphatic	Not Listed
142-82-5	Heptane	Listed
74-98-6	Propane	Listed
75-28-5	Isobutane	Listed

Pennsylvania Right to Know:

64742-89-8	Solvent naphtha (petroleum), light aliphatic	Listed
142-82-5	Heptane	Listed
74-98-6	Propane	Listed
75-28-5	Isobutane	Listed

California Proposition 65: None of the ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. 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.

NFPA: 2-4-0

HMIS: 2-4-0

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End of Safety Data Sheet