

Safety Data Sheet

SABESTO STAINLESS STEEL CARE OIL

Version 4.0

Revision Date 10/31/2014

Print Date 11/02/2014

SECTION 1. IDENTIFICATION

Commercial Product Name : SABESTO STAINLESS STEEL CARE OIL
Product number : 08931210
SDS-Identcode : 10032966
Product Use Description : Care product
Company : Wurth USA Inc.
93 Grant St.
07446 Ramsey, NJ
USA
Telephone : +1 201 825 27 10
Telefax : +1 201 825 16 43
Responsible/issuing person : prodsafe@wuerth.com
Emergency telephone number : +1 800 255 3924

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Flammable aerosols : Category 1

Gases under pressure : Liquefied gas

GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.Precautionary statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.

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P251 Pressurized container: Do not pierce or burn, even after use.

Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight percent- Weight percent
distillates (petroleum), hydrotreated light	64742-47-8	>= 30 - < 50
White mineral oil (petroleum)	8042-47-5	>= 30 - < 50
butane	106-97-8	>= 10 - < 20
propane	74-98-6	>= 1 - < 5
isobutane	75-28-5	>= 0.1 - < 1

SECTION 4. FIRST AID MEASURES

- General advice : If you feel unwell, seek medical advice (show the label where possible). First aider needs to protect himself. Move out of dangerous area. Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.
- Inhalation : If breathed in, move person into fresh air. In the case of inhalation of aerosol/mist consult a physician if necessary. Keep patient warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- Skin contact : In case of contact, immediately flush skin with soap and plenty of water. Do NOT use solvents or thinners. If skin irritation persists, call a physician.
- Eye contact : Protect unharmed eye. If easy to do, remove contact lens, if worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion : If swallowed, seek medical advice immediately and show this container or label. If swallowed, DO NOT induce vomiting. If a person vomits when lying on his back, place him in the recovery position.

Notes to physician

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Treatment : Treat symptomatically and supportively.

SECTION 5. FIREFIGHTING MEASURES

- Form : Aerosol containing a liquefied gas
- Flash point : Note: Not applicable
- Flammability : Extremely flammable aerosol.
- Ignition temperature : 210 °C (410 °F)
- Suitable extinguishing media : Carbon dioxide (CO₂)
Sand
Dry powder
- Unsuitable extinguishing media : High volume water jet
Water
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.
Exposure to decomposition products may be a hazard to health.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.
- Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
In the event of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately.
This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local

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regulations.
If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Refer to protective measures listed in sections 7 and 8.
Use personal protective equipment.
Remove all sources of ignition.
Avoid contact with skin and eyes.
Ensure adequate ventilation, especially in confined areas.
Immediately evacuate personnel to safe areas.
Avoid inhalation of vapour or mist.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.
Clean contaminated surface thoroughly.

SECTION 7. HANDLING AND STORAGE**Handling**

- Handling : For personal protection see section 8.
Limit the stocks at work place.
Use only in well-ventilated areas.
Do not breathe vapours or spray mist.
Avoid contact with skin and eyes.
Do not spray on a naked flame or any incandescent material.
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour

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concentration higher than the occupational exposure limits.
Take precautionary measures against static discharges.

Advice on protection against fire and explosion : Normal measures for preventive fire protection. Vapours are heavier than air and may spread along floors.
Vapours may form explosive mixtures with air.
Keep away from heat and sources of ignition.
Do not smoke.
No sparking tools should be used.
Electrical equipment should be protected to the appropriate standard.

Dust explosion class : Not applicable

Storage

Requirements for storage areas and containers : Store in original container.
BEWARE: Aerosol is pressurized. Keep away from heat.
Keep away from direct sunlight. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.
Keep containers tightly closed in a cool, well-ventilated place.
Please observe the storage instructions for aerosols!

Advice on common storage : Keep away from food, drink and animal feedingstuffs.
Do not store together with oxidizing and self-igniting products.

Other data : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Exposure Guidelines

Components	CAS-No.	List	Type:	Value	Update
distillates (petroleum), hydrotreated light	64742-47-8	OSHA Z-1	TWA	500 ppm 2,000 mg/m3	2007-01-01

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		ACGIH	TWA	200 mg/m ³	2010-03-01
		OSHA P0	TWA	400 ppm 1,600 mg/m ³	1989-01-19
		OSHA Z-1	TWA	5 mg/m ³	2011-07-01
		NIOSH REL	TWA	5 mg/m ³	2013-10-08
		NIOSH REL	ST	10 mg/m ³	2013-10-08
White mineral oil (petroleum)	8042-47-5	NIOSH REL	TWA	5 mg/m ³	2013-10-08
		NIOSH REL	ST	10 mg/m ³	2013-10-08
		OSHA Z-1	TWA	5 mg/m ³	2011-07-01
		ACGIH	TWA	5 mg/m ³	2013-03-01
		OSHA P0	TWA	5 mg/m ³	1989-01-19
butane	106-97-8	NIOSH REL	TWA	800 ppm 1,900 mg/m ³	2013-10-08
		OSHA P0	TWA	800 ppm 1,900 mg/m ³	1989-01-19
		ACGIH	STEL	1,000 ppm	2013-03-01
propane	74-98-6	OSHA Z-1	TWA	1,000 ppm 1,800 mg/m ³	1997-08-04
		NIOSH REL	TWA	1,000 ppm 1,800 mg/m ³	2013-10-08
		OSHA P0	TWA	1,000 ppm 1,800 mg/m ³	1989-01-19

Engineering measures : Provide sufficient air exchange and/or exhaust in work rooms.

Eye protection : In case of splash hazard, please wear protective goggles.

Hand protection
Glove material : butyl-rubber
Viton (R)

Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Skin and body protection : Flame retardant antistatic protective clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Product contains low-boiling liquids. Respiratory

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	protective equipment must be air supplied respirators. Respirator with filter type A
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. General industrial hygiene practice. Do not inhale aerosol. Avoid contact with skin, eyes and clothing. When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Follow the skin protection plan. Take off all contaminated clothing immediately. Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Aerosol containing a liquefied gas
Physical state	: aerosol
Colour	: in accordance with the product description
Odour	: characteristic
Odour Threshold	: No data available
Flash point	: Note: Not applicable
Ignition temperature	: 210 °C (410 °F)
Thermal decomposition	: No data available
Lower explosion limit	: 0.5 %(V)
Upper explosion limit	: 8.5 %(V)
Flammability	: Extremely flammable aerosol.
Molecular weight	: No data available
pH	: No data available
Boiling point/boiling range	: -43.98 °C (-47.16 °F)
Vapour pressure	: 2,100 hPa at 20 °C (68 °F)
Relative vapour density	: No data available
Evaporation rate	: No data available

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Density	: 0.68 g/cm ³
Relative density	: No data available
Bulk density	: No data available
Water solubility	: partly miscible
Partition coefficient: n-octanol/water	: No data available
Solubility in other solvents	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Volatile organic compounds (VOC) content	: 84.29 %

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: Heat, flames and sparks.
Hazardous decomposition products	: Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.
Hazardous reactions	: Note: No decomposition if stored and applied as directed. Vapours may form explosive mixtures with air. If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.

SECTION 11. TOXICOLOGICAL INFORMATION

Carcinogenicity	: No data is available on the product itself.
Reproductive toxicity	: No data is available on the product itself.
Teratogenicity	: No data is available on the product itself.
Further information	: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Vapours may cause drowsiness and dizziness.

Component:

butane

106-97-8

Acute inhalation toxicity: LC50 Mouse

Dose: 1,237 mg/l 520400 ppm

Exposure time: 2 h

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isobutane

75-28-5

Acute inhalation toxicity: LC50 Mouse
Dose: 1,237 mg/Exposure time: 120 min

Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Reproductive toxicity: No toxicity to reproduction

Carcinogenicity:**ACGIH**

distillates (petroleum),
hydrotreated light

64742-47-8

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

SECTION 12. ECOLOGICAL INFORMATION

Volatile organic compounds (VOC) content : 84.29 %

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal : In accordance with local and national regulations. This material and its container must be disposed of in a safe way.

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SECTION 14. TRANSPORT INFORMATION**DOT 49 CFR**

ID No : UN 1950
Proper shipping name : Aerosols
Class : 2.1
Labels : 2.1
Emergency Response : 126
Guidebook Number

TDGR

ID No : UN 1950
Proper shipping name : AEROSOLS
Class : 2.1
Labels : 2.1

ICAO/IATA-DGR

ID No : UN 1950
Proper shipping name : Aerosols, flammable
Class : 2.1
ICAO-Labels : 2.1
Packing instruction (cargo aircraft) : 203
Packing instruction (passenger aircraft) : 203
Packing instruction (passenger aircraft) : Y203
Environmentally hazardous : no

IMDG-Code

ID No : UN 1950
Description of the goods : AEROSOLS

Class : 2.1
IMDG-Labels : 2.1
EmS Number 1 : F-D
EmS Number 2 : S-U

Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

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SARA 311/312 Hazards : Fire Hazard
Sudden Release of Pressure Hazard

CERCLA Reportable Quantity : This material does not contain any components with a CERCLA RQ.

EPCRA_313 US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

EPCRA_302 US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

PENN RTK US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

<u>Components</u>	<u>CAS-No.</u>
distillates (petroleum), hydrotreated light	64742-47-8
White mineral oil (petroleum)	8042-47-5
butane	106-97-8
propane	74-98-6

MASS RTK US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

<u>Components</u>	<u>CAS-No.</u>
distillates (petroleum), hydrotreated light	64742-47-8
White mineral oil (petroleum)	8042-47-5
butane	106-97-8
propane	74-98-6

NJ RTK US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

<u>Components</u>	<u>CAS-No.</u>
distillates (petroleum), hydrotreated light	64742-47-8
White mineral oil (petroleum)	8042-47-5
butane	106-97-8
propane	74-98-6

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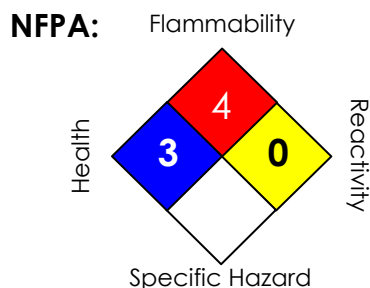
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California Prop. 65 : WARNING! This product contains a chemical known to the State of California to cause cancer.

SECTION 16. OTHER INFORMATION**Further information****HMIS III:**

HEALTH	3
FLAMMABILITY	4
PHYSICAL	2

0 = Insignificant, 1 = Slight,
2 = Moderate, 3 = High, 4 = Extreme

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release 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 or in any process, unless specified in the text.

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