

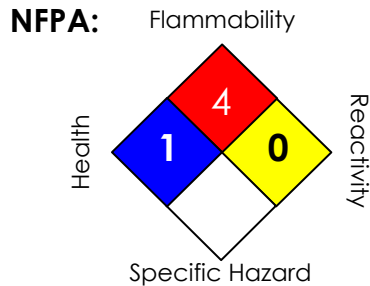
Material Safety Data Sheet

Würth Film

Version 3.0

Revision Date 11/30/2014

Print Date 12/03/2014

**HMIS III:**

HEALTH	1*
FLAMMABILITY	4
PHYSICAL	0

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

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Commercial Product Name : Würth Film
Product code : 893.3300
SDS-Identcode : 10041877
Product Use Description : Corrosion inhibitor
Company : Würth Canada Limited
345 Hanlon Creek Blvd
GUELPH, ON N1C 0A1
Canada
Telephone : +1 (905) 564 6225
Telefax : +1 (905) 564 3671
Responsible/issuing person : prodsafe@wuerth.com
Emergency telephone number : In case of emergency please contact: CANUTEC (5:00 pm - 8:00 am):
+1 (613) 996 6666
WÜRTH CANADA LIMITED (8:00 am - 5:00 pm):
+1 (905) 564 6225

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Regulatory status : This product, material or substance is a WHMIS controlled product per Sections 33 - 66, Part IV of the CPR.

Signal Word : DANGER
Form : Aerosol containing a liquefied gas
Odour : hydrocarbon-like

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Odour - Control parameters : No data available

Hazard Summary : Extremely flammable aerosol.
May cause fire.
Compressed gas
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C / 122 °F.
Irritant
May cause birth defects.

Potential Health Effects

Eyes : May cause eye irritation.

Inhalation : Harmful if inhaled.
May be fatal if inhaled.
May cause drowsiness or dizziness.

Skin : May cause skin irritation.
Prolonged or repeated contact may dry skin and cause irritation.

Target Organs : Eyes
Skin
Central nervous system

ACGIH : Distillates (petroleum), solvent-refined heavy paraffinic (CAS-No.: 64741-88-4)

NTP : petroleum gas (CAS-No.: 68476-85-7)

IARC : petroleum gas (CAS-No.: 68476-85-7)

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.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight percent- Weight percent
petroleum gas	68476-85-7	>= 25 - < 35
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	>= 12.5 - < 15
Lubricating oils (petroleum), C>25, hydrotreated bright stock-based	72623-83-7	>= 5 - < 7
Lubricating oils (petroleum), hydrotreated spent	64742-58-1	>= 5 - < 7
Fatty acids, tall-oil	61790-12-3	>= 1.5 - < 2
Modified oil-soluble calcium sulfonate, overbased		>= 1.5 - < 2

SECTION 4. FIRST AID MEASURES

- General advice : If you feel unwell, seek medical advice (show the label where possible). Take off contaminated clothing and shoes immediately. Never give anything by mouth to an unconscious person.
- Inhalation : If breathed in, move person into fresh air. In the case of inhalation of aerosol/mist consult a physician if necessary.
- Skin contact : Wash off with soap and water. Remove contaminated clothing. If irritation develops, get medical attention. Wash contaminated clothing before reuse.
- Eye contact : 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, DO NOT induce vomiting. If symptoms persist, call a physician. If a person vomits when lying on his back, place him in the recovery position.

SECTION 5. FIREFIGHTING MEASURES

- Form : Aerosol containing a liquefied gas
- Flash point : 150 °C (302 °F)
- Suitable extinguishing media : Alcohol-resistant foam
Water mist
Carbon dioxide (CO₂)
Dry chemical

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- 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.
Hazardous decomposition products may be formed under fire conditions (see section 10).
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
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 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.
Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapour or mist.
- 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 : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.
Clean contaminated surface thoroughly.

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SECTION 7. HANDLING AND STORAGE
Handling

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

Advice on protection against fire and explosion : Normal measures for preventive fire protection.
 Dust explosion class : Not applicable

Storage

Requirements for storage areas and containers : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. 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 dry, cool and well-ventilated place.
 Please observe the storage instructions for aerosols!

Advice on common storage : Incompatible with oxidizing agents.
 Keep away from food, drink and animal feedingstuffs.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Exposure Guidelines

Components	CAS-No.	List	Type:	Value	Update
petroleum gas	68476-85-7	CA AB OEL	TWA	1,000 ppm	2009-04-30
		CA AB OEL	STEL	1,500 ppm	2009-04-30
		CA BC OEL	TWA	1,000 ppm	2006-11-29
		CA BC OEL	STEL	1,250 ppm	2006-11-29
		CA QC OEL	TWA EV	1,000 ppm	2006-12-29
				1,800 mg/m ³	

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Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	CA BC OEL	TWA	1 mg/m3	2012-04-20
		CA BC OEL	TWA	0.2 mg/m3	2012-04-20
		CA AB OEL	TWA	5 mg/m3	2009-04-30
		CA AB OEL	STEL	10 mg/m3	2009-04-30
		CA QC OEL	TWAEV	5 mg/m3	2012-11-28
		CA QC OEL	STEV	10 mg/m3	2012-11-28
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	CA BC OEL	TWA	1 mg/m3	2012-04-20
		CA AB OEL	TWA	5 mg/m3	2009-04-30
		CA AB OEL	STEL	10 mg/m3	2009-04-30
		CA QC OEL	TWAEV	5 mg/m3	2012-11-28
		CA QC OEL	STEV	10 mg/m3	2012-11-28
Distillates (petroleum), solvent-refined heavy naphthenic	64741-96-4	CA BC OEL	TWA	1 mg/m3	2012-04-20
		CA AB OEL	TWA	5 mg/m3	2009-04-30
		CA AB OEL	STEL	10 mg/m3	2009-04-30
		CA QC OEL	TWAEV	5 mg/m3	2012-11-28
		CA QC OEL	STEV	10 mg/m3	2012-11-28
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	CA BC OEL	TWA	1 mg/m3	2012-04-20
		CA AB OEL	TWA	5 mg/m3	2009-04-30
		CA AB OEL	STEL	10 mg/m3	2009-04-30
		CA QC OEL	TWAEV	5 mg/m3	2012-11-28
		CA QC OEL	STEV	10 mg/m3	2012-11-28
Lubricating oils (petroleum), C>25, hydrotreated bright stock-based	72623-83-7	CA BC OEL	TWA	1 mg/m3	2012-04-20
Residual oils (petroleum), solvent-refined	64742-01-4	CA BC OEL	TWA	1 mg/m3	2012-04-20
		CA BC OEL	TWA	0.2 mg/m3	2012-04-20
		CA AB OEL	TWA	5 mg/m3	2009-04-30
		CA AB OEL	STEL	10 mg/m3	2009-04-30
		CA QC OEL	TWAEV	5 mg/m3	2012-11-28
		CA QC OEL	STEV	10 mg/m3	2012-11-28
Residual oils (petroleum), solvent-dewaxed	64742-62-7	CA BC OEL	TWA	1 mg/m3	2012-04-20
baseoil - unspecified	64742-57-0	CA BC OEL	TWA	1 mg/m3	2012-04-20
		CA AB OEL	TWA	5 mg/m3	2009-04-30
		CA AB OEL	STEL	10 mg/m3	2009-04-30
		CA QC OEL	TWAEV	5 mg/m3	2012-11-28
		CA QC OEL	STEV	10 mg/m3	2012-11-28
Calcium carbonate	471-34-1	CA QC OEL	TWAEV	10 mg/m3	2012-11-28
		CA AB OEL	TWA	10 mg/m3	2009-04-30

Engineering measures : Provide adequate ventilation.

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

Hand protection

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- Glove material : Neoprene
Nitrile rubber
- 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 : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- 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.
Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Aerosol containing a liquefied gas
Odour : hydrocarbon-like
Flash point : 150 °C (302 °F)
- pH : Not applicable
- Boiling point/boiling range : No data available
- Relative vapour density : >1
(Air = 1.0)
- Density : 0.97 g/cm³
at 20 °C (68 °F)
- Water solubility : insoluble
- Viscosity, kinematic : > 14 mm²/s

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at 40 °C (104 °F)

Volatile organic
compounds (VOC) content : 24.7 %**SECTION 10. STABILITY AND REACTIVITY**

Materials to avoid : Strong oxidizing agents

Hazardous decomposition
products : Carbon monoxide
Carbon dioxide (CO₂)Build-up of dangerous/toxic fumes possible in cases of
fire/high temperature.Hazardous reactions : Note: No decomposition if stored and applied as
directed.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.**Component:**

petroleum gas

68476-85-7

Carcinogenicity: Human carcinogen.Mutagenicity: In vivo tests showed mutagenic effects**SECTION 12. ECOLOGICAL INFORMATION**Volatile organic
compounds (VOC)
content : 24.7 %Additional ecological
information : The product should not be allowed to enter drains, water
courses or the soil.

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SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal : In accordance with local and national regulations.

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

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Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

WHMIS Classification : A Compressed Gas
B5 Flammable aerosol
D2A Very Toxic Material Causing Other Toxic Effects
D2B Toxic Material Causing Other Toxic Effects
Compressed Gas
Extremely flammable aerosol.
Carcinogen
Mutagen

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16. OTHER INFORMATION**Further information**

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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