

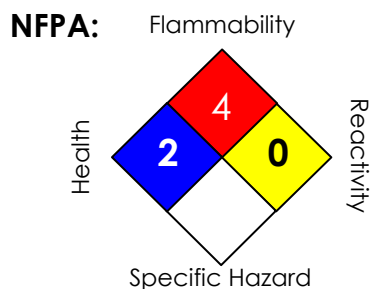
Material Safety Data Sheet

Spray Paint Gloss Black 425GR

Version 6.0

Revision Date 11/24/2014

Print Date 11/26/2014


HMIS III:

HEALTH	2*
FLAMMABILITY	4
PHYSICAL	0

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

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Commercial Product Name : Spray Paint Gloss Black 425GR
 Product code : 892.187
 SDS-Identcode : 10041926
 Product Use Description : Coatings
 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
 Colour : black

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Odour : characteristic
Odour - Control : No data available
parameters
Hazard Summary : Toxic

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

Potential Health Effects

Eyes : Causes eye irritation.

Skin : May cause skin irritation.
Harmful if absorbed through skin.
May cause frostbite.
Prolonged or repeated contact may dry skin and cause
irritation.

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

Target Organs : Eyes
Respiratory system

ACGIH : 4-methylpentan-2-one (CAS-No.: 108-10-1)
distillates (petroleum), hydrotreated light (CAS-No.:
64742-47-8)
cobalt bis(2-ethylhexanoate) (CAS-No.: 136-52-7)
Carbon black (CAS-No.: 1333-86-4)

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.

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IARC : 4-methylpentan-2-one (CAS-No.: 108-10-1)
cobalt bis(2-ethylhexanoate) (CAS-No.: 136-52-7)
Carbon black (CAS-No.: 1333-86-4)

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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight percent- Weight percent
acetone	67-64-1	>= 25 - < 35
propane	74-98-6	>= 15 - < 20
butane	106-97-8	>= 7 - < 10
n-butyl acetate	123-86-4	>= 5 - < 7
4-methylpentan-2-one	108-10-1	>= 5 - < 7
isobutyl acetate	110-19-0	>= 1.5 - < 2
Carbon black	1333-86-4	>= 1.5 - < 2
pentan-2-one	107-87-9	>= 1.5 - < 2

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

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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.

SECTION 5. FIREFIGHTING MEASURES

- Form : Aerosol containing a liquefied gas
- Lower explosion limit : 1 %(V)
- Upper explosion limit : 13 %(V)
- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.
Hazardous decomposition products may be formed under fire conditions (see section 10).
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 regulations.
If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.

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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 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.

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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 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.

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
acetone	67-64-1	CA AB OEL	TWA	500 ppm 1,200 mg/m3	2009-04-30
		CA AB OEL	STEL	750 ppm 1,800 mg/m3	2009-04-30
		CA BC OEL	TWA	250 ppm	2006-11-29
		CA BC OEL	STEL	500 ppm	2006-11-29
		CA QC OEL	TWAEV	500 ppm 1,190 mg/m3	2006-12-29
		CA QC OEL	STEV	1,000 ppm 2,380 mg/m3	2006-12-29
propane	74-98-6	CA AB OEL	TWA	1,000 ppm	2009-04-30
		CA BC OEL	TWA	1,000 ppm	2006-11-29
		CA QC OEL	TWAEV	1,000 ppm 1,800 mg/m3	2006-12-29
		CA ON OEL	TWA	1,000 ppm	2010-11-05
butane	106-97-8	CA AB OEL	TWA	1,000 ppm	2009-04-30

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		CA BC OEL	TWA	600 ppm	2006-11-29
		CA BC OEL	STEL	750 ppm	2006-11-29
		CA QC OEL	TWAEV	800 ppm 1,900 mg/m3	2006-12-29
		CA ON OEL	TWA	800 ppm	2012-06-12
n-butyl acetate	123-86-4	CA AB OEL	STEL	200 ppm 950 mg/m3	2007-01-01
		CA AB OEL	TWA	150 ppm 713 mg/m3	2007-01-01
		CA BC OEL	TWA	20 ppm	2006-11-29
		CA QC OEL	TWAEV	150 ppm 713 mg/m3	2006-12-29
		CA QC OEL	STEV	200 ppm 950 mg/m3	2006-12-29
4-methylpentan-2-one	108-10-1	CA AB OEL	TWA	50 ppm 205 mg/m3	2007-01-01
		CA AB OEL	STEL	75 ppm 307 mg/m3	2007-01-01
		CA BC OEL	TWA	20 ppm	2012-04-20
		CA BC OEL	STEL	75 ppm	2012-04-20
		CA QC OEL	TWAEV	50 ppm 205 mg/m3	2006-12-29
		CA QC OEL	STEV	75 ppm 307 mg/m3	2006-12-29
2-(propyloxy)ethanol	2807-30-9	CA ON OEL	TWA	25 ppm 110 mg/m3	2010-11-05
Barium sulphate	7727-43-7	CA AB OEL	TWA	10 mg/m3	2007-01-01
		CA BC OEL	TWA	10 mg/m3	2006-11-29
		CA QC OEL	TWAEV	5 mg/m3	2012-11-28
		CA QC OEL	TWAEV	10 mg/m3	2012-11-28
isobutyl acetate	110-19-0	CA AB OEL	TWA	150 ppm 713 mg/m3	2007-01-01
		CA BC OEL	TWA	150 ppm	2006-11-29
		CA QC OEL	TWAEV	150 ppm 713 mg/m3	2006-12-29
Carbon black	1333-86-4	CA AB OEL	TWA	3.5 mg/m3	2007-01-01
		CA QC OEL	TWAEV	3.5 mg/m3	2006-12-29
		CA BC OEL	TWA	3 mg/m3	2011-09-15
pentan-2-one	107-87-9	CA AB OEL	TWA	200 ppm 705 mg/m3	2004-04-30
		CA AB OEL	STEL	250 ppm 881 mg/m3	2004-04-30
		CA AB OEL	TWA	200 ppm 705 mg/m3	2007-01-01
		CA AB OEL	STEL	250 ppm 881 mg/m3	2007-01-01
		CA BC OEL	TWA	150 ppm	2006-11-29
		CA BC OEL	STEL	250 ppm	2006-11-29
		CA ON OEL	TWAEV	200 ppm 700 mg/m3	2005-02-03
		CA QC OEL	TWAEV	150 ppm 530 mg/m3	2006-12-29

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

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- Eye protection : Do not wear contact lenses.
Tightly fitting safety goggles
- Hand protection : Wear suitable gloves.
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 : Wear respiratory protection.
Product contains low-boiling liquids. Respiratory protective equipment must be air supplied respirators.
- 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.
Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Aerosol containing a liquefied gas
- Colour : black
- Odour : characteristic
- Lower explosion limit : 1 %(V)
- Upper explosion limit : 13 %(V)
- pH : No data available
- Boiling point/boiling range : No data available

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Vapour pressure	:	No data available
Relative vapour density	:	4 (Air = 1.0)
Density	:	0.79 g/cm ³
Water solubility	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Volatiles organic compounds (VOC) content	:	44.83 % 576.29 g/l

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	Heat, flames and sparks.
Materials to avoid	:	Strong oxidizing agents
Hazardous decomposition products	:	Carbon oxides
Hazardous reactions	:	Vapours may form explosive mixtures with air. If the temperature rises there is danger of the vessels bursting due to the high vapor pressure. Note: No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity	:	Mild respiratory irritant
Skin irritation	:	Prolonged skin contact may cause skin irritation and/or dermatitis.
Eye irritation	:	Severe eye irritation
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,

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tiredness, nausea and vomiting.
Vapours may cause drowsiness and dizziness.

Component:

acetone

67-64-1

Acute oral toxicity: LD50 Rat
Dose: 5,800 mg/kg

Acute dermal toxicity: LD50 Rabbit
Dose: > 7,426 mg/kg

Acute inhalation toxicity: LC50 Rat
Dose: 76 mg/l/Exposure time: 4 h

Skin irritation: Result: Repeated exposure may cause skin dryness or cracking.

Skin irritation: Guinea pig
Result: No skin irritation

Eye irritation: Rabbit
Result: Irritation to eyes, reversing after 7 to 21 days

Carcinogenicity: Animal testing did not show any carcinogenic effects.

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

Reproductive toxicity: No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

butane

106-97-8

Acute inhalation toxicity: LC50 Mouse
Dose: 1,237 mg/l 520400 ppm
Exposure time: 2 h

n-butyl acetate

123-86-4

Acute oral toxicity: LD50 Rat
Dose: > 10,760 mg/kg

Acute dermal toxicity: LD50 Rabbit
Dose: 14,112 mg/kg
Method: OECD Test Guideline 402

Acute inhalation toxicity: LC50 Rat
Dose: > 21 mg/l/Exposure time: 4 h
Method: OECD Test Guideline 403

Skin irritation: Result: Repeated exposure may cause skin dryness or cracking.

4-methylpentan-2-one

108-10-1

Acute oral toxicity: LD50 Rat
Dose: 2,980 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity: LD50 Rat

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Dose: > 2,000 mg/kg
Method: OECD Test Guideline 402

Acute inhalation toxicity: LC50 Rat
Dose: > 8.2 - < 16.4 mg/l > 2000 - < 4000 ppm
Exposure time: 4 h
Method: OECD Test Guideline 403

Skin irritation: Rabbit
Result: No skin irritation
Method: OECD Test Guideline 404

Eye irritation: Rabbit
Result: irritating

Carcinogenicity: Limited evidence of carcinogenicity in animal studies

Mutagenicity: In vivo tests did not show mutagenic effects

Reproductive toxicity: No toxicity to reproduction

Carbon black

1333-86-4

Eye irritation: Result: irritating**SECTION 12. ECOLOGICAL INFORMATION**

Adsorbed organic bound halogens (AOX) : not included

Volatile organic compounds (VOC) content : 44.83 %

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

Component:

acetone

67-64-1

Toxicity to fish:

LC50

Species: Pimephales promelas (fathead minnow)

Dose: 6,210 - 8,120 mg/l

Exposure time: 96 h

Acute and prolonged toxicity for aquatic invertebrates:

EC50

Species: Daphnia pulex (Water flea)

Dose: 8,800 mg/l

Exposure time: 48 h

Toxicity to algae:

NOEC

Species: Microcystis aeruginosa

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		Dose: 530 mg/l Exposure time: 8 d
		<u>Toxicity to bacteria:</u> Respiration inhibition of activated sludge EC50 Species: Dose: 61.15 mg/l Exposure time: 30 min Method: ISO 8192
n-butyl acetate	123-86-4	<u>Toxicity to fish:</u> LC50 Species: Pimephales promelas (fathead minnow) Dose: 18 mg/l Exposure time: 96 h <u>Acute and prolonged toxicity for aquatic invertebrates:</u> EC50 Species: Daphnia (water flea) Dose: 44 mg/l Exposure time: 48 h <u>Toxicity to algae:</u> ErC50 Species: Desmodesmus subspicatus (green algae) Dose: 648 mg/l Exposure time: 72 h
4-methylpentan-2-one	108-10-1	<u>Toxicity to fish:</u> LC50 Species: Brachydanio rerio (zebrafish) Dose: > 179 mg/l Exposure time: 96 h <u>Acute and prolonged toxicity for aquatic invertebrates:</u> EC50 Species: Daphnia magna (Water flea) Dose: > 200 mg/l <u>Toxicity to algae:</u> EC50 Species: Lemna gibba Dose: > 146 mg/l Exposure time: 7 h

SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal : In accordance with local and national regulations.
This material and its container must be disposed of as hazardous waste.

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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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WHMIS Classification : A Compressed Gas
B1 Flammable gas
B5 Flammable aerosol
D2A Very Toxic Material Causing Other Toxic Effects
D2B Toxic Material Causing Other Toxic Effects
Compressed Gas
Flammable gas
Extremely flammable aerosol.
Carcinogen
Moderate respiratory irritant
Severe eye irritant

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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