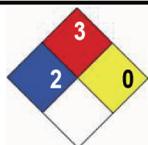


SAFETY DATA SHEET



**Hazardous Material
Information System
(HMIS)**

Health	2
Fire Hazard	3
Reactivity	0

4=Extreme, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Jefferson Spray Paint, (Gloss Black / Matt Black), Jefferson Grey Primer , Jefferson Line Marker Paint
Product number	JEFSPR10-MB, JEFSPR11-GB, JEFSPR12-PG, JEFMLINE-B, JEFMLINE-G, JEFMLINE-R, JEFMLINE-W, JEFMLINE-Y
Product use	Coatings and paints
Effective date	20 Sep, 2019
Version#	2.0
Company information	Jefferson Tools, Herons Way, Chester Business Park, Chester, United Kingdom, CH4 9QR
Web	www.jeffersontools.com
Emergency telephone	+44 (0)1244 646 048
International Emergency telephone	+44 (0)1244 646 048
Email	sales@jeffersontools.com
Email address of the competent person	sales@jeffersontools.com

2. HAZARDS IDENTIFICATION

Emergency overview



Aerosols 1: H222
Aerosols 1, 2, 3: H229
Skin Irrit. 2: H315
Eye Irrit. 2: H319

Signal Word

Danger

Hazard Statement

H222 – Extremely flammable aerosol
H229 – Pressurised container: May burst if heated.
H315 – Causes skin irritation.
H319 – Causes serious eye irritation.

Precautionary Statement: Prevention

H336 – May cause drowsiness or dizziness
H412 – Harmful to aquatic life with long lasting effects
P102 – Keep out of reach of children.
P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 – Do not spray on an open flame or other ignition source.
P251 – Do not pierce or burn, even after use.
P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 – Wash thoroughly after handling.
P271 – Use only outdoors or in a well-ventilated area.
P273 – Avoid release to the environment.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement: Response

P410+P412 – Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.
P302+P352 – IF ON SKIN: Wash with plenty of water.
P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 – Call a POISON CENTER/doctor/ / if you feel unwell.
P332+P313 – If skin irritation occurs: Get medical advice/attention.
P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 – If eye irritation persists: Get medical advice/attention.

Precautionary Statement: Storage

P403+P233 – Store in a well-ventilated place. Keep container tightly closed.
P405 – Store locked up.
P410+P412 – Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.
P410 – Protect from sunlight.
P412 – Do not expose to temperatures exceeding 50C/122F.

Precautionary Statement: Disposal

P501 - Dispose of contents/container to as per local and national regulations.

Other Hazards:

DANGER – Solvent abuse can kill instantly. Keep out of reach of children. Vapours may form explosive mixture with air. Results of PBT and vPvB assessment: Not applicable.

SAFETY DATA SHEET

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	EC #	Exposure Limit/LC ₅₀ /LD ₅₀	Classification	Percent/ wt.
Dimethyl ether	115-10-6	204-065-8	Ireland: OEL 8 hours: 1920mg/m ³ , 1000ppm; UK: WEL TWA: 766mg/m ³ , 400ppm; UK: WEL STEL: 958mg/m ³ , 500ppm; Inhalation LC ₅₀ rat 308mg/l/4h;	Flam. Gas 1: H220;	40-50
2-Propenoic acid, polymer with ethenyl acetate	24980-58-3	N.D.A.	N.D.A.	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;	15-25
Xylene	1330-20-7	215-535-7	EU: IOELV TWA: 221mg/m ³ , 50ppm; EU IOELV STEL: 442mg/m ³ , 100ppm; UK: WEL TWA: 220mg/m ³ , 50ppm; UK: WEL STEL: 441mg/m ³ , 100ppm;	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315;	1-10
Ethyl acetate	141-78-6	205-500-4	UK: WEL TWA: 220ppm UK: WEL STEL: 400ppm	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE3: H336;	5-15

4. FIRST AID MEASURES

First aid procedures

Additional advice

First aider: Pay attention to self-protection. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person or a person with cramps. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance. Treat symptomatically.

Inhalation

Remove person to fresh air and keep comfortable for breathing. In case of doubt or persistent symptoms, consult always a physician.

Skin contact

Take off contaminated clothing. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.

Eye contact

Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of doubt or persistent symptoms, consult always a physician.

Ingestion

Ingestion from an aerosol product is unlikely to occur. Rinse mouth out with water. Get medical advice/attention.

Most important symptoms and effects, both acute and delayed

Inhalation

May cause drowsiness or dizziness. The following symptoms may occur: Cough. Sore throat. Mental confusion. Drowsiness. Unconsciousness.

Skin contact

Causes skin irritation. The following symptoms may occur: Redness. Dry skin.

Eye contact

Causes serious eye irritation. The following symptoms may occur: Redness. Pain. Blurred vision.

Ingestion

Ingestion unlikely. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

Inhalation

Seek medical attention if irritation or symptoms persist.

Skin contact

Seek medical attention if irritation or symptoms persist.

Eye contact

Seek medical attention if irritation or symptoms persist.

Ingestion

Seek medical advice.

Notes to physician

N.D.A.

General advice

If you feel unwell, seek medical advice (show the label where possible).

5. FIRE-FIGHTING MEASURES

Flammable properties

Extremely flammable aerosol.

Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂), powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media

Strong water jet.

Specific hazards

Extremely flammable aerosol. Ignition risk. Vapours are heavier than air and may spread along floors. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. On heating there is a risk of a build-up of pressure in hermetically sealed containers or tanks. Aerosol cans may rupture and become projectiles. In use may form flammable/explosive vapour-air mixture. Do not spray on a naked flame or any incandescent material.

Unusual fire & explosion hazards

In combustion emits toxic fumes, Carbon oxides (CO, CO₂)

Protection of firefighters

Special firefighting procedures

Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent firefighting water from entering the environment.

Protective equipment and precautions for firefighters

Container may explode when heated. Do not attempt to take action with suitable protective equipment. Self-contained breathing apparatus.

Other information

Do not allow run-off from fire-fighting to enter drains or water courses.

SAFETY DATA SHEET

6. ACCIDENTAL RELEASE MEASURES

For non-emergency personnel	Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Do not breathe aerosol. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Use explosion-proof equipment. Use only non-sparking tools.
For emergency responders	Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.
Environmental Precautions: Methods for cleaning up	Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters. Stop leak if safe to do so. Leave evaporate and disperse. Dam up the liquid spill. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its container must be disposed of in a safe way, and as per local legislation.
Reference to other sections	Concerning personal protective equipment to use, see section 8. Disposal: see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling	Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Do not breathe aerosol. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with incompatible materials, refer to section 10 on discharge (temperature, concentration, pH, time). Avoid release to the environment. Remove all sources of ignition. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50C. Use explosion-proof equipment.
Hygiene measures	Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feeding stuffs. Remove contaminated clothes. Wash contaminated clothing before reuse.
Storage conditions	Extremely flammable aerosol. Store locked up. Store in a dry, cool and well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity. Bund storage facilities to prevent soil and water pollution in the event of spillage.
Packaging materials	Keep only in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION



	No smoking.
Exposure limits	Please Refer to section 3
Engineering measure(s)	Provide adequate ventilation. Organisational measures to prevent/limit releases, dispersion and exposure. Safe handling: see section 7. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges.
Personal protective equipment	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hand protection	Chemical resistant gloves (according to European standard NF EN 374 or equivalent). The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
Eye protection	Use suitable eye protection (EN166): Safety glasses. Goggles (EN141).
Body protection	Wear suitable protective clothing
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. Half-face mask (DIN EN140). Full-face mask (DIN EN136). Filter type: AP (EN141). The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. (EN137).
Thermal hazard protection	Not required for normal condition of use. Use dedicated equipment.
Environmental exposure controls	Avoid release to the environment. Comply with applicable Community environmental protection legislation.

SAFETY DATA SHEET

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Aerosol
Form	Liquid
Colour	Black
Odour	Solvent
Vapour pressure	N.D.A.
Specific gravity (H ₂ O=1)	N.D.A.
Boiling point	N.D.A.
Melting point	N.D.A.
Solubility	insoluble in water
Vapour Density (AIR=1)	NA
Viscosity, mPa.s	NA
Evaporation Rate (Ether=1)	NA
Ph	NE
Flash point	< 0°C
Auto ignition temp	> 200°C
Flammable limits: %	LEL - UEL: 0.8 – 9 vol %

10. STABILITY AND REACTIVITY

Reactivity	Extremely flammable aerosol. Reference to other section 10.4 & 10.5
Chemical stability	Stable
Possibility of hazardous reactions	Will ignite if exposed to intensive heat and air. Risk of explosion by shock, friction, fire or other sources of ignition.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid temperature above 50. Protect from sunlight. Safe handling: see section 7.
Incompatible materials	Acids. Oxidizing substances. Safe handling: see section 7.
Hazardous decomposition products	Reference to other section 5.2

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Not classified (based on available data, the classification criteria are not met.)
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	Not classified (based on available data, the classification criteria are not met.)
Germ cell mutagenicity	Not classified (based on available data, the classification criteria are not met.)
Carcinogenicity	Not classified (based on available data, the classification criteria are not met.)
Reproductive toxicity	Not classified (based on available data, the classification criteria are not met.)
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	Not classified (based on available data, the classification criteria are not met.)
Aspiration hazard	Not classified (based on available data, the classification criteria are not met.)
Other information	Symptoms related to the physical, chemical and toxicological characteristics. For further information see section 4.

12. ECOLOGICAL INFORMATION

Environmental properties	Harmful to aquatic life with long lasting effects.
Persistence and degradability	N.D.A.
Partition coefficient n-octano/water	N.D.A.
Bio accumulative potential	N.D.A.
Mobility in soil	N.D.A.
Results of PBT assessment	N.D.A.
Other adverse effects	N.D.A.

13. DISPOSAL CONSIDERATIONS

Product/Packaging disposal	Avoid release to the environment. Dispose of empty containers and wastes safely. Safe handling: see section 7. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations. Packaging contaminated by the product: Do not pierce or burn, even after use. Never use pressure to empty container.
European waste catalogue (2001/573/EC, 7/442/EEC, 91/689/EEC)	This material and its container must be disposed of as hazardous waste Waste codes should be assigned by the user, preferable in discussion with the waste disposal authorities.

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14. TRANSPORT INFORMATION

Department of Transportation (DOT Requirements)

Basic Shipping requirements:

Proper shipping name Consumer commodity
 Hazard class ORM-D
 Subsidiary hazard class None
 Additional information:
 Packaging exceptions 156, 306
 Packaging non bulk 156, 306
 Packaging bulk None



IMDG

Basic Shipping requirements:

Proper shipping name AEROSOLS
 Hazard class 2.1
 UN number 1950
 EmS No. F-D, S-U
 Additional information:
 Packaging exceptions LTD QTY
 Labels required 2



IATA

Basic Shipping requirements:

Proper shipping name Aerosols, flammable
 Hazard class 2.1
 UN number 1950
 Additional information:
 Packaging exceptions LTD QTY



15. REGULATORY INFORMATION

Regulations

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE CONUNCIL OF 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Concl Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

TSCA inventory list:

NA

OSHA:

Not Hazardous.

SARA (311,312) hazard class:

This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

WHMIS Classification:

Not a controlled product.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal) Acute toxicity (dermal), category 4
 Acute Tox. 4 (Inhalation) Acute toxicity (inhal.), category 4
 Aerosol 1 Aerosol, category 1
 Eye Irrit. 2 Serious eye damage/eye irritation category 2
 Flam. Gas 1 Flammable gases, hazard category 1
 Flam. Liq. 2 Flammable liquids, category 2
 Flam. Liq. 3 Flammable liquids, category 3
 Skin Irrit. 2 Skin corrosion/irritation, category 2
 STOT SE 3 Specific target organ toxicity – Single exposure, category 3, Narcosis
 H220 Extremely flammable gas
 H222 Extremely flammable aerosol
 H225 Highly flammable liquid and vapour
 H226 Flammable liquid and vapour
 H229 Pressurised container: May burst if heated

NG: Negligible NA: Not Applicable NE: Not Established N.D.A.: No Data Available ND: Not Determined <: Less than >: Greater than

Trade_name: Spray Paint

Product #: 1733PR

Revision date: 20 SEP 20198

Print date: 20 SEP 2019

MSDS EU
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Spray Paint

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H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H412	Harmful to aquatic life with long lasting effects

16. OTHER INFORMATION

MSDS sections updated	NA
Issue date	20-Sep-2019
Update Date	NA
Prepared by	Nancy Zhao
MSDS format	The contents and format of this SDS are in accordance with EEC Commision Directive 2015/830/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.
Disclaimer	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. However, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. Final determination of the suitability of the material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

End of Safety Data Sheet