

## 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name: Quick Spray Inks - All Colors**
- **Article number: 1513-155 Black**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Printing inks
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Diagraph MSP, an ITW Company  
Marking & Stenciling Products Division  
5307 Meadowland Parkway  
Marion, IL 62959
- **Customer Sales & Service:**  
800-521-3047  
618-997-3321  
618-997-1766 Fax
- **Further information obtainable from: msds@diagrammsp.com**
- **Emergency telephone number:**  
Contact Infotrac: (800) 535 5053 (US only)  
International: +1 352 323 3500

## 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS08 health hazard

Muta. 1B H340 May cause genetic defects.  
Carc. 1A H350 May cause cancer.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.  
STOT SE 3 H336 May cause drowsiness or dizziness.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xn; Harmful

R65: Harmful: may cause lung damage if swallowed.

R5-13: Heating may cause an explosion.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms** GHS02, GHS07, GHS08

- **Signal word** Danger

- **Hazard-determining components of labelling:**

Petroleum gases, liquefied  
Solvent naphtha (petroleum), light aliph.

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Mineral spirits

- **Hazard statements**

H222 Extremely flammable aerosol.

H319 Causes serious eye irritation.

H340 May cause genetic defects.

H350 May cause cancer.

H336 May cause drowsiness or dizziness.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

40.0 % by mass of the contents are flammable

- **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

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

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.















- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 68476-85-7 EINECS: 270-704-2	Petroleum gases, liquefied  T Carc. Cat. 1, Muta. Cat. 2 R45-46  F+ R12 -----  Flam. Gas 1, H220  Press. Gas, H280  Muta. 1B, H340; Carc. 1A, H350	20-40%
CAS: 67-64-1 EINECS: 200-662-2	acetone  Xi R36  F R11 R66-67 -----  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	20-40%
CAS: 64742-89-8 EINECS: 265-192-2	Solvent naphtha (petroleum), light aliph.  T Carc. Cat. 2, Muta. Cat. 2 R45-46  Xn R65 -----  Carc. 1B, H350; Asp. Tox. 1, H304	5-20%
CAS: 8052-41-3 EINECS: 232-489-3	Mineral spirits  Xn R65 -----  Carc. 1B, H350; Asp. Tox. 1, H304	0-5%

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CAS: 1330-20-7 EINECS: 215-535-7	xylene (mix)  Xn R20/21  Xi R38 R10 <hr style="border-top: 1px dashed black;"/>  Flam. Liq. 3, H226  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	(Contd. of page 2) 0-5%
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## 4 First aid measures

- **Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Do not induce vomiting; call for medical help immediately.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**  
Special powder for metal fires. Do not use water.  
CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents**  
Water.  
Water with full jet.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Handling**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.

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- Open and handle receptacle with care.
- **Information about fire - and explosion protection:**  
 Keep ignition sources away - Do not smoke.  
 Protect from heat.  
 Protect against electrostatic charges.  
 Keep respiratory protective device available.  
 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.  
 Do not spray onto a naked flame or any incandescent material.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
 Store in a cool location.  
 Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
 Keep receptacle tightly sealed.  
 Store in cool, dry conditions in well sealed receptacles.  
 Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· <b>Ingredients with limit values that require monitoring at the workplace:</b>	
<b>68476-85-7 Petroleum gases, liquefied</b>	
WEL	Short-term value: 2180 mg/m <sup>3</sup> , 1250 ppm Long-term value: 1750 mg/m <sup>3</sup> , 1000 ppm Carc (if LPG contains > 0.1% of buta-1.3-diene)
<b>67-64-1 acetone</b>	
WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
<b>1330-20-7 xylene (mix)</b>	
WEL	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm Long-term value: 220 mg/m <sup>3</sup> , 50 ppm Sk; BMGV

- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
 Keep away from foodstuffs, beverages and feed.  
 Wash hands before breaks and at the end of work.  
 Store protective clothing separately.
- **Respiratory protection:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves.

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· **Eye protection:** Safety glasses

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## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Aerosol  
    **Colour:** According to product specification  
    **Odour:** Characteristic

· **Change in condition**

**Melting point/Melting range:** undetermined

**Boiling point/Boiling range:** -44°C

· **Flash point:** -72°C

· **Ignition temperature:** 230.0°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Heating may cause an explosion.

· **Explosion limits:**

**Lower:** 2.6 Vol %

**Upper:** 13.0 Vol %

· **Vapour pressure at 20°C:** 233.0 hPa

· **Density:** Not determined

· **Solubility in / Miscibility with**

**Water:** Not miscible or difficult to mix

· **Solvent content:**

**Organic solvents:** 70-90 %

**Solids content:** 10-30 %

· **Other information** No further relevant information available.

## 10 Stability and reactivity

· **Reactivity**

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

    No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** No dangerous decomposition products known

## 11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **Primary irritant effect:**

**on the skin:** No irritant effect.

**on the eye:** No irritating effect.

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· **Sensitization:** No sensitizing effects known.



## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Comply with all Federal, State, and Local regulations regarding disposal.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· <b>UN-Number</b>	
· <b>ADR, IMDG, IATA</b>	1950
· <b>UN proper shipping name</b>	
· <b>IMDG, IATA</b>	Aerosols, Flammable
· <b>Transport hazard class(es)</b>	
· <b>ADR</b>	
	
· <b>Class</b>	2.1
· <b>Label</b>	3
<hr style="border-top: 1px dashed black;"/>	
· <b>IMDG, IATA</b>	
	
· <b>Class</b>	2.1
· <b>Packing group</b>	
· <b>IMDG, IATA</b>	Void

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- |  |                       |
|--|-----------------------|
| · <b>Environmental hazards:</b>  |                       |
| · <b>Marine pollutant:</b>   | No                    |
| · <b>Special precautions for user</b>  | Not applicable.       |
| · <b>EMS Number:</b>   | F-D,S-U               |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.       |
| · <b>Transport/Additional information:</b>                                       |                       |
| · <b>Item:</b>   |                       |
| · <b>UN "Model Regulation":</b>  | UN1950, AEROSOLS, 2.1 |

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Technical instructions (air):**

Class	Share in %
NK	59.1

- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases**
- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H340 May cause genetic defects.
- H350 May cause cancer.
- R10 Flammable.
- R11 Highly flammable.
- R12 Extremely flammable.
- R20/21 Harmful by inhalation and in contact with skin.
- R36 Irritating to eyes.
- R38 Irritating to skin.
- R45 May cause cancer.
- R46 May cause heritable genetic damage.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

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**· Abbreviations and acronyms:**

*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*ICAO: International Civil Aviation Organization*

*GHS: Globally Harmonized System of Classification and Labelling of Chemicals*

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