

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Product code : KP20000GFF  
 Product name : S88-15R SPRAY POWDER

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Product use : Anti set-off powder used in lithographic printing  
 Uses advised against : None known.

**1.3 Details of the supplier of the safety data sheet**

Manufacturer / Distributor : Flint Group,  
 Print Media Europe,  
 Varn House,  
 Northbank Industrial Park,  
 Irlam,  
 Greater Manchester,  
 M44 5BL  
 England.  
 e-mail address of person responsible for this SDS : MSDS.UnitedKingdom.Irlam.TM@flintgrp.com

**1.4 Emergency telephone number (with hours of operation)**

+44 (0) 333 333 9879 (8:00 h - 17:00 h)

**History**

Date of printing : 17.05.2017.  
 Date of issue/ Date of revision : 21.05.2015.  
 Date of previous issue : No previous validation.  
 Version : 1

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Not classified.

See Section 11 for more detailed information on health effects and symptoms.

**2.2 Label elements**

Hazard pictograms : Not applicable.  
 Signal word :  No signal word.  
 Hazard statements :  No known significant effects or critical hazards.  
 Precautionary statements :  Not applicable.  
 Supplemental label elements :  Not applicable.  
 Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

**2.3 Other hazards**

PBT : P: Not available. B: Not available. T: Not available.

Date of issue/Date of revision : 21.05.2015.

Page: 1/8

**S88-15R SPRAY POWDER**

## SECTION 2: Hazards identification

vPvB : vP: Not available. vB: Not available.

### Other hazards which do not result in classification

Material in powder form, capable of creating a dust explosion.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention/advice.
- Ingestion** :  Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
- Protection of first-aiders** :  No action shall be taken involving any personal risk or without suitable training. Use suitable protective equipment (section 8).

### 4.2 Most important symptoms and effects, both acute and delayed

See toxicological information (Section 11)

### 4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** :  Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** :  No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable Extinguishing media : Recommended:, alcohol-resistant foam, water spray or mist, Avoid creating dusty conditions and prevent wind dispersal.
- Extinguishing media not to be used :  Do not use water jet.  
Do not use inert gas under high pressure (e.g. CO2).

### 5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture :  No specific fire or explosion hazard.
- Hazardous thermal decomposition products : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.  
 Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

### 5.3 Advice for fire-fighters

**S88-15R SPRAY POWDER**

## **SECTION 5: Firefighting measures**

- Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.  
Do not release runoff from fire to drains or watercourses.
- Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

- For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders : Specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### **6.2 Environmental precautions**

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

### **6.3 Methods and materials for containment and cleaning up**

Contain and collect spillage with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Do not use a dry brush as dust clouds or static can be created.

### **6.4 Reference to other sections**

See Section 1 for emergency contact information.  
See Section 13 for additional waste treatment information.  
See Section 8 for information on appropriate personal protective equipment.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used.

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding strap. Operators should wear antistatic footwear and clothing and floors should be of the conducting type. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see Section 8). Always keep in containers made from the same material as the original one. Comply with the health and safety at work laws.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in accordance with all local, regional, national and international regulations.  
Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10).  
Observe label precautions. Keep container tightly closed and in a well-ventilated place.  
Prevent unauthorized access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

### **7.3 Specific end use(s)**

Not applicable.

### **7.4 Additional information**

S88-15R SPRAY POWDER

## SECTION 7: Handling and storage

Not applicable.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Ingredient name	Occupational exposure limits
Starch	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: inhalable dust TWA: 4 mg/m <sup>3</sup> 8 hours. Form: respirable dust

**Other Exposure limits** : CMR: See toxicological information (Section 11)

**Recommended monitoring procedures** :  this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

No DNELs/DMELs available.

#### PNECs

No PNECs available.

### 8.2 Exposure controls

Avoid breathing dust. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

#### **Individual protection measures**

- Respiratory protection** :  Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Body protection** :  Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Hand protection** :  Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Other skin protection** :  Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Eye/face protection** :  Safety eyewear should be used when there is a likelihood of exposure.

#### **Environmental exposure controls**

Do not allow to enter drains or watercourses.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	: Solid.
Color	: Not available.
Odor	: Characteristic.
Odor threshold	: Not available.
pH	: Not available.
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Not applicable.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not applicable.
Burning time	: Not available.
Burning rate	: Not available.
Explosion limits	
Lower:	: Not applicable.
Upper:	: Not available.
Vapor pressure	: < 0.1 hPa
Vapor density	: Not available.
Density	: ~ 1 g/cm <sup>3</sup>
Solubility	: insoluble in water.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: ca 410 °C
Decomposition temperature	: Not available.
Viscosity	: Not available.
Explosive properties	: Not available.
Oxidizing properties	: Not available.

### 9.2 Other information

SADT	: Not available.
------	------------------

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see Section 7).

### 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.4 Conditions to avoid

Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame).

### 10.5 Incompatible materials

Keep away from the following materials to prevent strong exothermic reactions:  
oxidizing agents, strong alkalis, strong acids

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

S88-15R SPRAY POWDER

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

There are no data available on the mixture itself. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. See sections 2 and 3 for details.

#### Substances / Mixtures

**Acute toxicity** : Not available.

#### Acute toxicity estimates

Not available.

**Irritation/Corrosion** : Not available.

**Sensitization** : Not available.

**Mutagenicity** : Not available.

**Carcinogenicity** : Not available.

**Reproductive toxicity** : Not available.

**Specific target organ toxicity (single exposure)** : Not available.

**Specific target organ toxicity (repeated exposure)** : Not available.

**Aspiration hazard** : Not available.

**Chronic toxicity** : Not available.

**Teratogenicity** : Not available.

#### Other information

##### Toxicokinetics

**Absorption** : Not available.

**Distribution** :

**Metabolism** : Not available.

**Elimination** : Not available.

## SECTION 12: Ecological information

There are no data available on the mixture itself. Do not empty into drains or watercourses. See Sections 2 and 3 for details.

### 12.1 Toxicity data

Not available.

### 12.2 Persistence/degradability

Not available.

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : P: Not available. B: Not available. T: Not available.

**vPvB** : vP: Not available. vB: Not available.

### 12.6 Other adverse effects

**S88-15R SPRAY POWDER**

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations.

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Hazardous waste** :  No.

### European waste catalogue (EWC)

Waste code	Waste designation
02 03 04	materials unsuitable for consumption or processing

## SECTION 14: Transport information

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### International transport regulations

This product is not regulated for carriage according to ADR/RID, ADN, IMDG, ICAO/IATA.

**14.1 UN number** : Not applicable.

**14.2 Proper shipping name** : Not applicable.

**14.3 Transport hazard class(es)** : Not applicable.

**14.4 Packing group** : Not applicable.

**14.5 Environmental hazards** : Not applicable.

**14.6 Special precautions for user** : Not applicable.

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU Regulation (EC) No. 1907/2006 (REACH)

#### Annex XIV - List of substances subject to authorization

#### Annex XIV

None of the components are listed.

#### Substances of very high concern

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**VOC content** : Not applicable.

**Europe inventory** : All components are listed or exempted.

#### National regulations

**S88-15R SPRAY POWDER**

## SECTION 15: Regulatory information

**Industrial use** : The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

### 15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

**CEPE MSDS Code** : 3

☑ Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number  
 vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

**Full text of abbreviated H statements** : Not applicable.

**Date of printing** : 5/17/2017

**Date of issue/ Date of revision** : 5/21/2015

**Date of previous issue** : No previous validation

**Version** : 1

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any 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 that exist.