



SAFETY DATA SHEET

Section 1: Chemical Product and Company Information

1.1 Product Identifier

Product Name: NCR Brand Paper, All Grades

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Paper for consumer and professional use.

Restrictions on Use: None

1.3 Details of the Supplier of the Substance or Mixture

Manufacturer: Appvion, Inc.
825 East Wisconsin Avenue
Appleton, WI 54911 USA
Information Phone: 920-991-8875

1.4 Emergency Telephone Number

800-424-9300 (Chemtrec) 1-703-527-3887 for International Calls

Email: ehsps@appvion.com

SDS Date of Preparation/Revision: May 23, 2015

Section 2: Hazards Identification

2.1 Classification of the Substance or Mixture

EU CLP Classification (EC No 1272/2008): Not classified as hazardous

US OSHA GHS Classification (29CFR1910.1200): Combustible Dust if processed

NCR Paper is considered an "Article" as the GHS uses that term. The hazardous constituents are incorporated into the paper and under normal use conditions are not released and do not create an exposure to hazardous chemicals.

2.2 Label Elements

EU Labeling according to the CLP: None required

US Labeling according to Hazcom 2012: Warning: May form combustible dust concentrations in air if processed.

2.3 Other Hazards: Inhalation of dust that may be generated from cutting or other processing of product may cause mucous membrane and upper respiratory irritation. Dust may cause mild eye irritation. High concentrations of any organic dust, including paper dust, in air may present a dust explosion hazard. Refer to Section 5 and 11 for additional information.

Section 3: Composition/Information on Ingredients

3.1 Mixtures – Paper may contain solvents, polymeric encapsulents in surface coatings, dyes, polymers and clay. However, only minute quantities of these substances are released from the paper when it is used as intended. The solvent and coating mixtures may possess an intrinsic odor. Under some conditions of high humidity, minute amounts of formaldehyde may be released. The components are incorporated into the article and no exposure to them occurs under normal conditions of use or a foreseeable emergency.

Section 4: First Aid Measures

4.1 Description of First Aid Measures

First Aid

Eyes: Flush eyes thoroughly with water. If irritation persists, seek medical attention.

Skin: No first aid should be needed.

Ingestion: If large amount is swallowed, get medical advice.

Inhalation: Move person to fresh air. Seek medical attention if irritation or other symptoms persist.

See Section 11 for more detailed information on health effects.

4.2 Most Important symptoms and effects, both acute and delayed: If dust is generated, it may cause mild eye and respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention should not be required.

Section 5. Fire Fighting Measures

5.1 Extinguishing Media: Water is the most effective agent for fighting fires involving paper products. Not incompatible with any extinguishing agent.

5.2 Special Hazards Arising from the Substance or Mixture: This product is an ordinary combustible and will burn under fire conditions. High concentrations of any suspended organic dust, including dust that may be generated from processing this product, may present a dust explosion hazard. Combustion products include carbon dioxide, carbon monoxide, oxides of nitrogen, ammonia, formaldehyde and hydrocarbon residues.

5.3 Advice for Fire-Fighters: Wear positive pressure self-contained breathing apparatus and full protective clothing

Section 6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures
Eliminate flames and other sources of ignition. Avoid creating dust during clean-up process.

6.2 Environmental Precautions: Avoid contamination of water supplies and environmental releases. Report spills as required to authorities.

6.3 Methods and Material for Containment and Cleaning Up: Contain and collect spilled materials for use or disposal. Nonsparking tools should be used. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentrations. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Reference to Other Sections:

Refer to Section 13 for disposal information and Section 8 for protective equipment.

Section 7. Handling and Storage

7.1 Precautions for Safe Handling:

Handling: This product is not hazardous unless processed in a manner that generates dust. Minimize the generation and accumulation of dust. Keep product away from heat, flames and other sources of ignition. Potential dust explosion hazard - use good housekeeping to prevent accumulation of dust in the work area. Dry powders can build static electricity charges when subjected to friction of transfer and in mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

It is recommended that normal industrial hygiene and work practices be implemented; these include maintaining appropriate indoor air quality with ventilation. Periodic hand washing is advised.

Conditions for Safe Storage, Including any Incompatibilities: Store at room temperature in cool; dry, well ventilated place away from excessive heat and incompatible materials such as strong oxidizers.

7.3 Specific end use(s):

Industrial uses: None identified
Professional uses: None identified

Section 8. Exposure Controls / Personal Protection

Control Parameters: There is no specific exposure limit for paper dust. It is recommended that the exposure limit for particulates not otherwise classified (PNOC) be followed. In the United States that limit is 15 mg/m³ for total dust and 5 mg/m³ for respirable dust as a time weighted average (TWA) OSHA PEL.

DNEL: None established
PNEC: None Established

8.2 Exposure Controls:

Recommended Monitoring Procedures: Collection on filters with gravimetric analysis.

Appropriate Engineering Controls: No special ventilation is required for normal handling and use. Provide appropriate exhaust ventilation at places where dust is formed if this product is further processed. Use explosion-proof equipment where required. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e. there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Personal Protective Measurers

Respiratory Protection: Not necessary if workplace concentrations of hazardous constituents are below recommended limits. If the exposure limit is exceeded, an approved respirator should be worn. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134 and ANSI Z88.2 in the United States or other applicable regulations and standards and good Industrial Hygiene practice.

Eye Protection: Follow facility requirements.

Skin Protection: None required.

Other protection: None required.

Section 9. Physical and Chemical Properties

9.1 Information on basic Physical and Chemical Properties

Appearance and Odor: Solid paper in roll or sheet form, various colors, faint odor.

Solubility in Water:	Insoluble	Boiling Point:	Not applicable
Odor Threshold:	Not determined	Partition Coefficient:	Not applicable
pH:	Not applicable	Melting Point:	Not applicable
Specific Gravity:	Varies	Vapor Density:	Not applicable
Evaporation Rate:	Not applicable	Vapor Pressure:	Not applicable
Flammability(solid/gas):	Not classified as a flammable solid	Flash Point:	None
Explosive Limits:	Not applicable	Autoignition Temperature:	Not available
Decomposition Temperature:	Not determined	Viscosity:	Not applicable



Explosive Properties:	Fine dust suspended in air may be explosive	Oxidizing Properties:	None
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9.2 Other Information: None

Section 10. Stability and Reactivity

10.1 **Reactivity:** Not reactive under normal conditions of use and storage.

10.2 **Chemical Stability:** Stable.

10.3 **Possibility of Hazardous Reactions:** May react with strong oxidizers generating heat.

10.4 **Conditions to Avoid:** Avoid excessive heat and flames.

10.5 **Incompatible Materials:** Avoid strong oxidizers.

10.6 **Hazardous Decomposition Products:** Products of combustion include carbon monoxide carbon dioxide, carbon monoxide, oxides of nitrogen, ammonia, formaldehyde and hydrocarbon residues.

Section 11. Toxicological Information

11.1 Information on Toxicological Effects:

Potential Health Hazards

Inhalation: Inhalation of dust that may be generated from cutting or other processing of product may cause mucous membrane and upper respiratory irritation. Prolonged inhalation of respirable cause lung effects. damage. Trace amounts of volatile organic compounds may be released under certain conditions of use but are there is no evidence of adverse effects.

Skin Contact: None expected.

Eye Contact: None expected. Dust particles may cause abrasive irritation.

Ingestion: Not expected to be acutely toxic.

Acute Toxicity Values: This product is not expected to be acutely toxic based on an evaluation of the component materials

Skin corrosion/irritation: Not expected to cause skin irritation.

Eye damage/ irritation: Product is not expected to be irritating to eyes.

Respiratory Irritation: None of the components are respiratory irritants.

Skin Sensitization: None of the components are skin sensitizers.

Respiratory Sensitization: None of the components are respiratory sensitizers.

Germ Cell Mutagenicity: This product is not expected to present a risk of genetic damage

Carcinogenicity: None of the components present at 0.1% or greater are listed as a potential carcinogen by the EU CLP, IARC, NTP or OSHA.

Developmental / Reproductive Toxicity: No specific data is available, however, none of the components are classified as reproductive hazards.



Specific Target Organ Toxicity (Single Exposure): No adverse effects expected based on available data.

Specific Target Organ Toxicity (Repeated Exposure): No specific data is available. Prolonged inhalation of respirable dust may cause effects on the lung.

Section 12. Ecological Information

12.1 Toxicity: No data is available for the product.

12.2 Persistence and degradability: No data is available for the product.

12.3 Bioaccumulative Potential: No data is available for the product.

12.4 Mobility in Soil: No data available.

12.5 Results of PVT and vPvB assessment: None required.

12.6 Other Adverse Effects: None known.

Section 13. Disposal Considerations

13.1 Waste Treatment Methods:

Dispose in accordance with all local, state and national regulations. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations. Landfill, incineration or sale to a paper repulper for recycling may be appropriate means of disposal. No specific reuse is appropriate or recommended.

Section 14. Transport Information

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	None	Not Regulated	None	None	No
Canadian TDG	None	Not Regulated	None	None	No
EU ADR/RID	None	Not Regulated	None	None	No
IMDG	None	Not Regulated	None	None	No
IATA/ICAO	None	Not Regulated	None	None	No

14.6 Special Precautions for User: None identified

14.7 Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code: Not applicable – shipped only in packaged form.

Section 15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture



United States Regulations

TSCA Status: This product is an article and not subject to TSCA.

EPA SARA 302: No regulated components.

EPA SARA Regulations:

SARA 311/312 Hazard Categories:

- N – Fire Hazard
- N – Sudden Release of Pressure
- N – Reactivity
- N – Acute Health
- N – Chronic Health

SARA 313: This contains the following chemicals above deminimus concentrations subject to the notification or reporting requirements of SARA 313: None

CERCLA Section 103: This product is not subject to CERCLA release reporting. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

RCRA Status: This product, as sold, is not regulated under RCRA as a hazardous waste.

California Proposition 65: These products do not contain formaldehyde but may evolve trace amounts of formaldehyde under conditions of high humidity. Formaldehyde is known to the State of California to cause cancer.

International Regulations:

Canadian Environmental Protection Act: This product is a manufactured article and not subject to chemical notification requirements.

Canadian WHMIS Classification: Not a controlled product.

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

Europe:

European Inventory of Existing Commercial Chemical Substances (EINECS): This product is a manufactured article and not subject to chemical notification requirements.

Water Hazard Class: Not determined

Chemical Safety Assessment: None required

Other EU Regulations: This product is classified and labeled in accordance with CLP Regulation. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 (REACH)

Section 16. Other Information

NFPA RATING (NFPA 704)	FIRE: 1	HEALTH: 0	INSTABILITY: 0
HMIS RATING	FIRE: 1	HEALTH: 0	REACTIVITY: 0



APPVION

NCR Brand Paper, All Grades
API-CEHS-30

Effective Date: 05/23/2015

Supersedes Date: 05/15/2013

SDS Number: API-CEHS-30

This SDS complies with Regulation (EU) No. 1907/2006 and 453/2010, US OSHA Hazcom 2012 (29 CFR1910.1200) and Canada WHMIS 2015.

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OSHA GHS Label

NCR Brand Paper, All Grades

Warning

May form combustible dust concentrations in air.
Prevent accumulation of dust in the workplace. Keep dust away from
ignition sources.

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