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**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier**

Product code **PANACCF**  
Product name **Print Head Exterior Cleaning Solution**  
Product category **Ink Product**

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

Recommended use Printing operations

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

UNITED STATES	UNITED KINGDOM
Nazdar Company	Nazdar Limited
8501 Hedge Lane Terrace	Barton Road
Shawnee, KS 66227	Heaton Mersey
Tel: 1-913-422-1888	Stockport, England SK4 3EG
Tel: 1-800-677-4657	Tel: +44 161 442 2111
Fax: 1-913-422-2294	
www.nazdar.com	

**For further information, please contact**

Contact person Regulatory Compliance: Tel: 1-913-422-1888 (ext 2305)  
E-mail address regcomp@nazdar.com

**1.4 Emergency telephone number**

USA: Chemtrec: 1-800-424-9300  
Outside USA: Chemtrec: 1-703-527-3887  
24 Hour Emergency Phone Number

**Section 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

According to Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Flammable liquids	Category 2 - (H225)

**2.2 Label elements**



Signal Word  
Danger

**Hazard Statements**

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness  
 H225 - Highly flammable liquid and vapor  
 EUH066 - Repeated exposure may cause skin dryness or cracking

#### Precautionary Statements - EU (§28, 1272/2008)

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

### 2.3 Other Hazards

#### General Hazards

No information available

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Component	EC No.	CAS-No	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH No.	Note
Acetone	200-662-2	67-64-1	60 - 100	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	No data available	1

Note

1. Substance with a Community workplace exposure limit

Full text of H- and EUH-phrases: see section 16

## Section 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General Advice

Show this safety data sheet to the doctor in attendance.

#### Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

#### Skin Contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention.

#### Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

#### Ingestion

Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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

None under normal use conditions.

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

#### Notes to Physician

Treat symptomatically.

## Section 5: FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable Extinguishing Media

Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable Extinguishing Media

No information available.

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

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

### 5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray. Sealed containers may rupture when heated.

**Section 6: ACCIDENTAL RELEASE MEASURES**

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

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**6.2 Environmental precautions**

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways. Local authorities should be advised if significant spillages cannot be contained.

**6.3 Methods and material for containment and cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

**6.4 Reference to other sections**

See Section 12 for more information.

**Section 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

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

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use. Keep out of the reach of children.

**7.3 Specific end use(s)**

<b>Exposure Scenario</b>	No information available.
<b>Risk Management Methods (RMM)</b>	The information required is contained in this Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

**Exposure limits**

Component	The United Kingdom
Acetone 67-64-1	STEL: 1500 ppm STEL: 3620 mg/m <sup>3</sup> TWA: 500 ppm TWA: 1210 mg/m <sup>3</sup>

Component	France
Acetone 67-64-1	TWA/VME: 500 ppm restrictive limit TWA/VME: 1210 mg/m <sup>3</sup> restrictive limit STEL/VLCT: 1000 ppm restrictive limit STEL/VLCT: 2420 mg/m <sup>3</sup> restrictive limit

Component	Germany
Acetone 67-64-1	TWA/MAK: 500 ppm TWA/MAK: 1200 mg/m <sup>3</sup> Peak: 1000 ppm Peak: 2400 mg/m <sup>3</sup> TWA/AGW: 500 ppm TWA/AGW: 1200 mg/m <sup>3</sup>

Component	Spain
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Acetone 67-64-1	TWA/VLA-ED: 500 ppm TWA/VLA-ED: 1210 mg/m <sup>3</sup>
<b>Component</b>	<b>Italy</b>
Acetone 67-64-1	TWA: 500 ppm TWA: 1210 mg/m <sup>3</sup>
<b>Component</b>	<b>Portugal</b>
Acetone 67-64-1	STEL/VLE-CD: 750 ppm TWA/VLE-MP: 500 ppm TWA/VLE-MP: 1210 mg/m <sup>3</sup>
<b>Component</b>	<b>The Netherlands</b>
Acetone 67-64-1	STEL: 2420 mg/m <sup>3</sup> TWA: 1210 mg/m <sup>3</sup>
<b>Component</b>	<b>Finland</b>
Acetone 67-64-1	TWA: 500 ppm TWA: 1200 mg/m <sup>3</sup> STEL: 630 ppm STEL: 1500 mg/m <sup>3</sup>
<b>Component</b>	<b>Denmark</b>
Acetone 67-64-1	TWA: 250 ppm TWA: 600 mg/m <sup>3</sup>
<b>Component</b>	<b>Austria</b>
Acetone 67-64-1	STEL/KZW: 2000 ppm STEL/KZW: 4800 mg/m <sup>3</sup> TWA/TMW: 500 ppm TWA/TMW: 1200 mg/m <sup>3</sup>
<b>Component</b>	<b>Switzerland</b>
Acetone 67-64-1	STEL/KZW: 1000 ppm STEL/KZW: 2400 mg/m <sup>3</sup> TWA/MAK: 500 ppm TWA/MAK: 1200 mg/m <sup>3</sup>
<b>Component</b>	<b>Poland</b>
Acetone 67-64-1	STEL/NDSch : 1800 mg/m <sup>3</sup> TWA/NDS: 600 mg/m <sup>3</sup>
<b>Component</b>	<b>Norway</b>
Acetone 67-64-1	TWA: 125 ppm TWA: 295 mg/m <sup>3</sup>
<b>Component</b>	<b>Ireland</b>
Acetone 67-64-1	TWA: 500 ppm TWA: 1210 mg/m <sup>3</sup> STEL: 1500 ppm calculated STEL: 3630 mg/m <sup>3</sup> calculated
<b>Component</b>	<b>Australia TWA</b>
Acetone 67-64-1	TWA: 500 ppm TWA: 1185 mg/m <sup>3</sup>
<b>Component</b>	<b>Australia STEL</b>
Acetone 67-64-1	STEL: 1000 ppm STEL: 2375 mg/m <sup>3</sup>

**Derived No Effect Level (DNEL)** No information available.  
**Predicted No Effect Concentration (PNEC)** No information available.

**8.2 Exposure controls**

**Engineering Measures** Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. Users are advised to consider national Occupational Exposure Limits or other equivalent values. In case of insufficient ventilation, wear suitable respiratory equipment.

**Personal protective equipment**

**Eye/face Protection** Wear safety glasses with side shields (or goggles). If splashes are likely to occur. Wear suitable face shield. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye Protection** Ensure that eyewash stations and safety showers are close to the workstation location. Avoid contact with eyes. Safety glasses with side-shields. Goggles. Face-shield.

**Skin Protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended.

**Environmental exposure controls** No information available.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

<b>Physical State</b>	Liquid	<b>Appearance</b>	Water-white
<b>Odor</b>	Characteristic	<b>Odor Threshold</b>	No information available
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH		No data available	
Melting point/freezing point		No data available	
Boiling point/Boiling Range	> 149 °C / 300 °F		
Flash Point	-20 °C / -4 °F	Tag closed cup Closed cup	
Evaporation rate		No data available	
Flammability Limit in Air			
Upper flammability limit		No data available	
Lower flammability limit		No data available	
Vapor Pressure		No data available	
Vapor Density		No data available	
Specific Gravity	0.79		
Water Solubility		No data available	
Solubility in other solvents		No data available	
Partition coefficient: n-octanol/water		No data available	
Autoignition Temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	
Explosive Properties	No data available		
Oxidizing Properties	No data available		

**9.2 Other information**

**Softening Point** No data available

**Section 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

No information available.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of Hazardous Reactions**

None under normal processing.

**10.4 Conditions to avoid**

Keep away from open flames, hot surfaces and sources of ignition.

**10.5 Incompatible materials**

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

**10.6 Hazardous decomposition products**

Thermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide (CO2). Carbon monoxide.

**Section 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute Toxicity**

<b>Inhalation</b>	There is no data for this product.
<b>Eye Contact</b>	There is no data for this product.
<b>Skin Contact</b>	There is no data for this product.
<b>Ingestion</b>	There is no data for this product.

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 5,800.00 mg/kg

**Unknown Acute Toxicity**

- 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component	Oral LD50
Acetone 67-64-1	= 5800 mg/kg ( Rat )

Component	Inhalation LC50
Acetone 67-64-1	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h

<b>Skin corrosion/irritation</b>	There is no data for this product.
<b>Eye damage/irritation</b>	There is no data for this product.
<b>Sensitisation</b>	There is no data for this product.
<b>Mutagenic Effects</b>	There is no data for this product.
<b>Carcinogenic effects</b>	There is no data for this product.
<b>Reproductive Effects</b>	There is no data for this product.
 <b>STOT - single exposure</b>	 There is no data for this product.
<b>STOT - repeated exposure</b>	There is no data for this product.
<b>Aspiration hazard</b>	There is no data for this product.

**Section 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

None known

**Unknown Aquatic Toxicity**

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Component	Fish
Acetone 67-64-1	4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 8300: 96 h Lepomis macrochirus mg/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static

Component	Crustacea
Acetone 67-64-1	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

No information available.

Component	Partition coefficient
Acetone 67-64-1	-0.24

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**12.6 Other adverse effects.**

No information available.

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Waste from Residues / Unused Products** Contain and dispose of waste according to local regulations.

**Contaminated Packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Section 14: TRANSPORT INFORMATION**

**ADR**

- 14.1 UN/ID no. UN1210
- 14.2 Proper Shipping Name Printing Ink Related Material
- 14.3 Hazard Class 3
- 14.4 Packing Group II

**ICAO / IATA / IMDG / IMO**

- 14.1 UN/ID no. UN1210
- 14.2 Proper Shipping Name Printing Ink Related Material
- 14.3 Hazard Class 3
- 14.4 Packing Group II

**Section 15: REGULATORY INFORMATION**

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

European Union

**International Inventories**

For further information, please contact: Supplier (manufacturer/importer/downstream user/distributor)

**15.2 Chemical Safety Assessment**

No information available.

<b>Section 16: OTHER INFORMATION</b>
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**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under sections 2 and 3**

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H225 - Highly flammable liquid and vapor

EUH066 - Repeated exposure may cause skin dryness or cracking

**Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value

**Revision Date** Sep-30-2016

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

**Disclaimer**

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**End of Safety Data Sheet**