



Allied Pressroom Products
Chemicals for the International Printing Industry

SAFETY DATA SHEET

MICROBURST SYSTEMS KLEENER POWDER - Next Gen - Step 1 (USA)

1. Identification

Product identifier

Product name MICROBURST SYSTEMS KLEENER POWDER - Next Gen - Step 1 (USA)

Recommended use of the chemical and restrictions on use

Application For use as a fountain tank cleaner in the lithographic printing industry. Fountain tank cleaner.

Uses advised against No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Supplier ALLIED PRESSROOM PRODUCTS
4814 Persimmon Ct.
Monroe
North Carolina
28110
USA
TELEPHONE: +1 800-327-8487 (09:00-17:00 EST)
FAX: +1 704-635-7249
info@alliedchem.com

Manufacturer Same as supplier

Emergency telephone number

Emergency telephone 24 HR. EMERGENCY TELEPHONE 800-424-9300 CHEMTREC Allied Pressroom Products
+1 800-327-8487 (09:00-17:00 EST)

National emergency telephone number 911

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Met. Corr. 1 - H290

Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318

Environmental hazards Not Classified

Human health Corrosive. Prolonged contact causes serious eye and tissue damage.

Physicochemical May be corrosive to metals.

Label elements

Hazard symbols



Signal word Danger

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Hazard statements	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.
Precautionary statements	P234 Keep only in original container. P260 Do not breathe dust. P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. 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. P310 Immediately call a poison center/ doctor. P363 Wash contaminated clothing before reuse. P390 Absorb spillage to prevent material damage. P405 Store locked up. P406 Store in corrosive resistant container with a resistant inner liner. P501 Dispose of contents/ container in accordance with national regulations.
Contains	DISODIUM METASILICATE

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

Proprietary	60-100%
CAS number: Proprietary	
Classification	
Eye Irrit. 2A - H319	
DISODIUM METASILICATE	10-20%
CAS number: 6834-92-0	
Classification	
Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335	
Sodium Xylene Sulphonate	10-20%
CAS number: 1300-72-7	
Classification	
Eye Irrit. 2A - H319	

The full text for all hazard statements is displayed in Section 16.

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Composition comments Part/s of this formulation is/are a "Trade Secret". One or more of the components in the mixture is considered to be proprietary and will be revealed only at the discretion of the supplier. In the event of a special emergency, they will be disclosed to a qualified health professional. In non-emergency situations, it will be handled in accordance with the pertinent provisions of the OSHA Hazard Communication Standard.

4. First-aid measures

Description of first aid measures

Inhalation Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately.

Ingestion Get medical attention immediately. Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Skin Contact Remove affected person from source of contamination. Get medical attention promptly if symptoms occur after washing.

Eye contact Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

Most important symptoms and effects, both acute and delayed

Inhalation Dust may irritate the respiratory system.

Ingestion Chemical burns.

Skin contact Chemical burns.

Eye contact Severe irritation, burning, tearing and blurred vision.

Indication of immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion products Toxic and corrosive gases or vapors.

Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

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Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water.

Reference to other sections For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin, eyes and clothing. Avoid inhalation of dust. May be corrosive to metals.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Corrosive storage.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

DISODIUM METASILICATE

Short-term exposure limit (15-minute): SUP 2 mg/m³

Ingredient comments SUP = Supplier's recommendation. When using sodium metasilicate it is recommended that exposure to alkalinity calculated as NaOH should be kept below this limit.

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Wear tight-fitting, dust-resistant, chemical splash goggles if airborne dust is generated.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Rubber or plastic.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Provide eyewash station. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

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Respiratory protection No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Dusty powder.
Color	White.
Odor	No characteristic odor.
Odor threshold	No information available.
pH	pH (diluted solution): 10 - 11 @ 1 - 2%
Melting point	No information available.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Upper/lower flammability or explosive limits	No information available.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	Not applicable.
Bulk density	800 kg/m ³
Solubility(ies)	Soluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	Not applicable.
Oxidizing properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidizing.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
Volatile organic compound	This product contains a maximum VOC content of 0 g/litre.

10. Stability and reactivity

Reactivity	Reactions with the following materials may generate heat: Strong acids. In contact with some metals can generate hydrogen gas, which can form explosive mixtures with air.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Will not polymerize.

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Conditions to avoid	In contact with some metals can generate hydrogen gas, which can form explosive mixtures with air.
Materials to avoid	Strong oxidizing agents. Strong acids. Aluminum. Alkali sensitive metals or alloys
Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapors. Carbon monoxide (CO). Carbon dioxide (CO ₂). Hydrogen. Sulfurous gases (SO _x). Oxides of phosphorus. Sodium Oxides

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Corrosive to skin.

Serious eye damage/irritation

Serious eye damage/irritation Corrosive to skin. Corrosivity to eyes is assumed.

Respiratory sensitization

Respiratory sensitization Based on available data the classification criteria are not met.

Skin sensitization

Skin sensitization Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility Does not contain any substances known to be toxic to reproduction.

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation

Dust in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion

Harmful if swallowed. May cause chemical burns in mouth and throat.

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Skin Contact	Causes burns.
Eye contact	This product is strongly corrosive. Causes severe burns. Immediate first aid is imperative.
Route of exposure	Inhalation Skin and/or eye contact Ingestion
Target Organs	Respiratory system, lungs Skin Eyes
Medical Symptoms	Chemical burns. Irritation of nose, throat and airway.

12. Ecological information

Ecotoxicity	The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.
<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	Not known.
Acute toxicity - aquatic invertebrates	Not known.
Acute toxicity - aquatic plants	Not known.
<u>Persistence and degradability</u>	
Persistence and degradability	This cleaning preparation does not contain any surfactants. There are no data on the degradability of this product.
<u>Bioaccumulative potential</u>	
Bio-Accumulative Potential	No data available on bioaccumulation.
Partition coefficient	No information available.
<u>Mobility in soil</u>	
Mobility	The product is soluble in water.
<u>Other adverse effects</u>	
Other adverse effects	Not known.

13. Disposal considerations

Waste treatment methods

General information	When handling waste, the safety precautions applying to handling of the product should be considered.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

UN Number

UN No. (TDG)	3262
UN No. (IMDG)	3262
UN No. (ICAO)	3262
UN No. (DOT)	UN3262

UN proper shipping name

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Proper shipping name (TDG) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM METASILICATE)

Proper shipping name (IMDG) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM METASILICATE)

Proper shipping name (ICAO) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM METASILICATE)

Proper shipping name (DOT) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM METASILICATE)

Transport hazard class(es)

DOT hazard class 8

DOT hazard label 8

TDG class 8

TDG label(s) 8

IMDG Class 8

ICAO class/division 8

Transport labels



DOT transport labels



Packing group

TDG Packing Group III

IMDG packing group III

ICAO packing group III

DOT packing group III

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

EmS F-A, S-B

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not Known

15. Regulatory information

National regulations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

Not listed.

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CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

Not listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

Not listed.

SARA 313 Emission Reporting

Not listed.

CAA Accidental Release Prevention

Not listed.

FDA - Essential Chemical

Not listed.

FDA - Precursor Chemical

Not listed.

OSHA Highly Hazardous Chemicals

Not listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

Not listed.

California Air Toxics "Hot Spots" (A-I)

Not listed.

California Air Toxics "Hot Spots" (A-II)

Not listed.

California Directors List of Hazardous Substances

Yes

pentasodium triphosphate

10-20%

Massachusetts "Right To Know" List

Yes

pentasodium triphosphate

10-20%

Rhode Island "Right To Know" List

Not listed.

Minnesota "Right To Know" List

Not listed.

New Jersey "Right To Know" List

Not listed.

Pennsylvania "Right To Know" List

Yes

pentasodium triphosphate

10-20%

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SODIUM SULPHATE

<1%

Inventories

Canada - DSL/NDSL

All the ingredients are listed or exempt.

DSL
NDSL

US - TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

Not listed.

16. Other information

Abbreviations and acronyms used in the safety data sheet

CAS: Chemical abstracts service.
PBT: Persistent, bioaccumulative and toxic substance.
vPvB: Very persistent and very bioaccumulative.

ATE: Acute toxicity estimate.

LC₅₀: Lethal concentration to 50 % of a test population.

LD₅₀: Lethal dose to 50% of a test population (median lethal dose).

EC₅₀: 50% of maximal effective concentration.

IMDG: International maritime dangerous goods.

IATA: International air transport association.

TDG: The transport of dangerous goods act

UN: United Nations.

MARPOL 73/78: International convention for the prevention of pollution from ships, 1973 as modified by the protocol of 1978.

IBC: International code for the construction and equipment of ships carrying dangerous chemicals in bulk (International bulk chemical code).

GHS: Globally harmonized system.

Classification abbreviations and acronyms

Skin Corr. = Skin corrosion

STOT SE = Specific target organ toxicity-single exposure

Met. Corr. = Corrosive to metals

Eye Dam. = Serious eye damage

Eye Irrit. = Eye irritation

Key literature references and sources for data

Material Safety Data Sheet, Misc. manufacturers.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Issued by

J Waterfield

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Revision

1.0

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8/30/2018

SDS No.

22697

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Hazard statements in full	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
ACA HMIS Health rating.	Slight hazard. (1)
ACA HMIS Flammability rating.	Will not burn. (0)
ACA HMIS Physical hazard rating.	Normally stable. (0)
ACA HMIS Personal protection rating.	C

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.